

CITY OF SOMERVILLE

ANNUAL REPORTS.



1873.

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1874.

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INAUGURAL ADDRESS

OF

HON. GEORGE O. BRASTOW,

JANUARY 6, 1873.

*Gentlemen of the City Council:—*

Grateful to the Author of All Good, that He has the past year spared and protected our city from every great calamity, it is becoming, on assuming our present municipal duties and responsibilities, that His continued care and favor has been humbly and reverently invoked. Somerville adopted a city form of government, the more conveniently to manage her affairs, and to secure for her citizens some improvements which could not so readily be accomplished under a town organization. Some of these measures have been inaugurated with a good degree of success considering their magnitude ; still, a vast amount of improvement is urgently required, much of it, without great delay.

The same responsibilities which met the last city government, when it entered upon its untried duties, now rest upon you, and if in your judgment, mistakes have been made, you will as far as you have the power, remedy and correct them. I can confidently say that the great wants and interests of our city have seemed to be well understood and appreciated, and have been met and cared

for with a reasonable degree of promptness and energy, and I think I may justly congratulate you, that all our public concerns, and all departments of the city government, are in a satisfactory and creditable condition.

FINANCES.

The funded debt of the city has been increased during the year, fifty thousand and five dollars (\$50,005,) and when loans already authorized by the City Council are effected, the whole increase will amount to eighty-five thousand and five dollars (\$85,005), which will make the aggregate of the funded debt six hundred and seventy-eight thousand three hundred and fifty-four dollars (\$678,354). The principal part of this increase has been made for means with which to pay for construction of water works, and the city's half of the cost of constructing sidewalks during the year. The whole of the funded debt is represented by coupon bonds: the unmatured notes of the town, having, by authority of the City Council, been taken up in exchange for bonds of corresponding amounts.

The value of our public property is seven hundred and twenty-two thousand dollars (\$722,000), and the assessors' valuation of taxable property in the city, for 1872, was twenty-two million seven hundred and fifty-five thousand three hundred and twenty-five dollars, (\$22,755,325.)

SCHOOLS.

Our schools are generally in a good and satisfactory condition, the year having been one of marked prosperity. Harmony has characterized the judgment and action of the School Board, teachers have labored with fidelity and energy, scholars have generally been diligent and dutiful,

and parents have manifested their usual interest, and awarded their cheerful co-operation. Neither the town nor the government of the city, has ever withheld any appropriation necessary for the proper support of our schools, and I know you will promptly and cheerfully grant all needful means to enable them to maintain their present high position.

The whole number of schools is fifty-nine (59), five (5) new ones having been organized during the year.

The present number of pupils in the High School is	181
“ “ “ “ Grammar Schools is	1599
“ “ “ “ Primary Schools is	1348
Total,	<hr/> 3128

PUBLIC LIBRARY.

A room has been provided in the City Hall Building for the accommodation of a free public library. Proper shelving and fitting up of the room has been ordered, trustees have been appointed by the City Council, and the library will soon be permanently established.

Sufficient amount of funds are already provided with which to make a respectable beginning, and individual donations and contributions to this good work are earnestly solicited by the Board of Trustees.

STREETS AND SIDEWALKS.

The last city government entered upon a system of constructing brick sidewalks, upon what seemed to it and to our citizens generally, a fair and equitable plan; that of the city paying one-half of the expense, and assessing one-half upon the abutting estates.

Quite an extent of sidewalk has been constructed under

this plan, and so marked has been the improvement, and so great the desire of individuals for similar improvements in their several streets, that it has been impossible to accomplish all that was desired. The scarcity of bricks, and the universal horse distemper, prevented the completion of much that was contemplated, and compelled its postponement until another season. This latter cause of embarrassment has also compelled the delay of some necessary work on our highways, particularly on several of our main avenues. Some changes and important improvements are required on three of our thoroughfares. The widening of Milk street its entire length, the extension of Pearl street to the line of Charlestown, and the straightening of Broadway between Mount Benedict and Winter Hill, are all matters demanding early attention.

These improvements will involve large expenditures, but the longer they are delayed, the greater will be the cost, and the more difficult their accomplishment.

The town many years ago, adopted a by-law providing that no private way or street should be accepted, or kept in repair by the town, until it should have been properly graded, and put in good condition for travel, by parties personally and *pecuniarily* interested in its construction.

This rule of action has operated well, and has been deemed fair and just ; and until recently, land owners who divided their *acres* into building lots, consider it no hardship to properly make their own streets, through their own lands, for the necessary convenience of their own *lots*. Laterly there has been quite a departure from this practice, and valuable tracts of land have been cut up, with streets marked out for the accommodation of the lots, upon which but little, and in some instances no work at all has ever been done.

On many such *unmade* streets, lots have been sold, and numerous houses have been erected and occupied by individuals, who, finding themselves much inconvenienced, complain that the city is remiss in providing them proper street accommodations. Parties who divide estates into building lots, should clearly understand that the city will not make their streets for them ; and persons buying or occupying houses or lots upon any unmade street, should as fully realize that in making such purchase, they are incurring a personal responsibility for its proper construction, before they or their property will be on an equal footing with that of those situated on properly made and well-finished streets. Any material deviation from this long-established rule of the town, in this matter, will be an unwarrantable favoritism bestowed upon owners of property on unmade, or but half-made streets, and a wrong to tax-payers who own property on streets which were properly constructed by the abutters thereon, before they were accepted, and before any maintenance or care of them was assumed by the town.

SEWERS.

Applications, and the necessity for constructing sewers through many of our streets, have been numerous and urgent.

This work has been vigorously persecuted, and much has been accomplished during the year.

A proper plan and system of sewerage for our whole city, is a matter of *vast* importance, and one which requires and demands the best and wisest engineering skill which we can command. It will require a long time to complete the entire work, but a reasonable amount should be accomplished each year.

WATER WORKS.

The extent of water-pipes laid during the last year is something over six miles, with thirty-seven additional fire hydrants properly distributed. The whole length of pipe now laid in the city is thirty-four miles, and the whole number of fire hydrants, one hundred and eighty-four. The last Legislature authorized the issuing of two hundred thousand dollars of additional Water Bonds — forty thousand of which have been issued to pay expenses incurred the past season. The balance of this two hundred thousand dollars will finish the works to the extent contemplated, and when completed, the whole amount of funded debt on this account will be four hundred thousand dollars.

The number of water-takers has much increased, and the revenue is getting to be quite satisfactory. As a protection against fire, and as a great means of health and comfort, our supply of Mystic water is invaluable, and a blessing fully appreciated by our people.

FIRE DEPARTMENT.

Our city has happily been exempt the past year from the ravages of fire; consequently the labors of our faithful and efficient firemen have been comparatively light.

There have been sixteen fires in the city during the year, with an aggregate loss of only \$6,375, the insurance on which was \$4,550.

The department was called out of the city nineteen times, and called out by false alarms six times.

I consider the department in as good condition as we could reasonably desire, and capable of efficiently rendering any, and all service which we are justified in expecting it will be called upon to perform.

We desire to furnish all proper facilities for the comfort and convenience of our firemen, and to do all for the protection of the property of our citizens, which a wise foresight, guided by judicious prudence, shall direct. With our present supply of water, and with the large number of fire hydrants which are distributed over our territory, I have no hesitation in saying that in my judgment the appliances for extinguishing fires, which we now have and which are contracted for, are for the present year at least, ample and sufficient. Whether the time has arrived for the construction of a Fire Alarm Telegraph, I leave for your judgment to determine.

POLICE.

Our Police Department has in its efficiency and fidelity to duty, met the requirements and approval of the City Council, and so far as I know, it has merited and received the general favor and commendation of our citizens. The importance of this arm of protection is daily more and more apparent. Idleness and dissipation more or less abound in all large communities, and lawlessness and petty crimes are the sure consequence. The labors of officers have been constant and arduous, and as more duty will be required the present year, I respectfully recommend an increase in this department.

POLICE COURT.

The last Legislature passed "An act to Establish a Police Court in the City of Somerville."

A Justice and a Clerk, alike satisfactory and creditable to the city were appointed, a court-room was provided in the City Hall building, and the court formally organized on the 24th of June.

In amount of business and general convenience, it has already assumed an importance greater than was anticipated. Its present accommodations, (as also those of the police department), are altogether inadequate; and I commend to your consideration a report recently submitted by a committee of the last City Council, recommending the erection of a proper building on a lot of land belonging to the city on the corner of Milk and Prospect streets, to provide for these wants.

The plan proposed is intended to supply ample convenience for the court, the police department, lock-ups, and a ward-room.

THE POOR.

A humane beneficence should influence our actions in regard to the poor and needy among us, and the same proper provision for their comfortable maintenance must be made in the future, as in the past.

At this inclement season of the year, there are many who need assistance, some entire, and some partial support; and however varied the necessities, let those upon whom this responsibility rests be richly imbued with the benign spirit of charity, and in the discharge of their sacred and sometimes trying duties, let them be constantly assured that our people grudge no expenditure necessary to fully answer all the demand of humanity.

STATE AID AND SOLDIERS' RELIEF.

The claims of our needy returned soldiers and sailors, and the families of the slain requiring aid and relief, are quite different in their nature from the claims of the ordinary poor; and the Commonwealth, and all our cities and towns, and our whole people have justly regarded and acknowledged the honorable distinction.

The deserving of this class, who periled their all for, and achieved the preservation of our National existence, whose health may now be impaired in consequence of long-endured hardships, unhealthy climate, and perchance starvation in a prison pen, may justly claim as a dearly bought right, a comfortable maintenance from the community for whom their trials and privations were endured. We should never forget that to these men, and to the needy families of those whose lives were sacrificed we owe a most sacred debt which can never be fully paid; and, instead of being considered burdens or incumbrances they should be recognized and treated as those having a just and legal demand upon our treasury.

PUBLIC HEALTH.

The past year has witnessed much improvement in our sanitary condition. The ordinance establishing a Board of Health and prescribing its duties and the requirements of our citizens was adopted with much care, and our short year of experience has proved its efficacy and beneficial results. I especially refer to those sections of the ordinance relating to the keeping of swine, (which in some localities had become quite offensive), and to the care and removal of house offal. In these improvements, I am in doubt whether the committee of the Council having these matters in charge, or the citizens who have with marked promptness complied with their wholesome requirements, are deserving of the most commendation. Every year will have its claims upon the health department of our government for industrious care and vigilance in securing and preserving to our people the inestimable, health-promoting blessing of cleanliness.

There are numerous cases of small pox and varioloid

in our city, and it is unwise to try to conceal the fact of its existence as an epidemic in our midst. Liberal provision has been made for the *free* vaccination of all our people with the purest vaccine matter ; and I urge upon *all*, both old and young, the necessity of at once availing themselves of this opportunity, and thus complying with the claims of reason, the demands of humanity, and the imperative requirements of a statute of the Commonwealth.

I venture to call your attention to the necessity of erecting at an early day — at a moderate cost — in some isolated part of the city, a hospital for the care and treatment of persons afflicted with contagious diseases. However much opposition and prejudice may exist in regard to the erection of a “pest house,” I feel sure that the safety of our people will thereby be much promoted ; for wherever such hospital shall be erected, if it is properly constructed and ventilated, there will be much less danger (even in its immediate vicinity), of the spread of the disease, than if it is treated in private dwellings, scattered over our territory.

MILLER’S RIVER.

You as well as our citizens generally, are aware that our city joined with Cambridge in a petition to our last legislature, for authority to enable the two cities to abate the nuisance in and about the basins of Miller’s river, by filling them up with clean gravel, and providing for other means of drainage, than into those open, shallow basins, the bottoms of which are exceedingly putrid and filthy, causing at times a most sickening and abominable stench.

A long hearing was had before the Committee on Har-

bors of the Legislature, at which both cities appeared with their respective counsel.

The committee did not report in favor of our plan, but being convinced that a most offensive nuisance existed, and one of such magnitude, and so deleterious to health, as to demand that it should in some way be abated, reported a bill providing for a Commission, composed of the Harbor Commissioners, and State Board of Health, which should hear all parties interested, and report to the Mayor and Aldermen of each city a plan for draining the district, abating the nuisance, and preserving the health of the inhabitants of that vicinity. The cities of Somerville and Cambridge were much disappointed in the bill passed by the Legislature, because it would necessarily cause delay in abating an intolerable nuisance already too long endured, and because it provided no way authorized by the constitution to carry out such measures as the Commission might recommend; unless the cities should *purchase* all lands and flats proposed to be filled. True, the act says the two cities may respectively *take* such land, and in the same manner as land may be taken for highways; but in the opinion of the counsel for both cities, the Legislature cannot delegate the right to judge of the necessity for taking private land for public benefit, to any commission or to any third party. Nevertheless, the two cities, as in duty bound in a case of so much importance, involving not only the comfort, but the healths and lives of their inhabitants, promptly attended the hearings before the Commission when notified, and pledged themselves to do everything in their power to carry out whatever plan it should recommend for improving this locality. The Commission carefully examined in person the infected territory, and

the several slaughtering establishments, and though the hearing was in the heat of the summer, patiently listened to all the evidence produced before it, and the long arguments of the respective counsel of all parties interested.

Not stopping here, but desiring to inform itself as thoroughly as possible upon the whole subject matter, the Commission as authorized by the act creating it, after the hearing was closed, secured the services of Hon. Phineas Ball, of Worcester, an eminent civil engineer, to examine, survey, and report to them, the best method in his opinion, of draining the district and abating the nuisance. Mr. Ball, to enable himself to know fully, and with certainty, the causes, and extent of the nuisance, secured the services of Prof. C. O. Thompson, of Worcester, a skilled chemist, to examine the bottoms of the basins, and make chemical analysis of the material there existing. The results of the labors of this Commission, and those employed by them, you will find in their Report—printed copies of which are before you.

The nuisance as therein shown, is found to be much more aggravated, and much more dangerous to health than the cities were aware of, or could have believed without actual proof. Somerville and Cambridge are fully sustained in the position they took before the Legislative Committee, and before the Commission. The Commission decides that all the basins of Miller's river must be filled up with clean gravel.

Its recommendations meet the hearty approval of our city authorities, and I am sure of the city of Cambridge also.

The sincere thanks of our city are due to the Commission, for the patience, thoroughness, and great ability

with which it has performed the duties imposed upon it, and what is now required is the necessary legislation to enable the two cities to carry out its recommendations.

Our city has already taken the necessary action in that direction; Cambridge will as heartily co-operate with Somerville in the future as in the past, and I trust that those who have hitherto opposed us in our efforts to make this portion of our city what it ought to be, will now join with us in carrying out in the most practical way, the remedies proposed. I therefore confidently congratulate you, and all our citizens, upon the prospect of an early removal of what is now a source of grievous suffering to many residents of Somerville and Cambridge, and a just cause of reproach to both cities.

LOW LANDS.

Upon the several petitions of our city and the city of Cambridge, the legislature last May passed an act providing that no cellar or basement shall be constructed in our city below a grade established by the Board of Mayor and Aldermen; and also providing for filling all lands in the city, which are below thirteen feet above mean low water, up to that grade.

The act is entitled, "An act to provide for the prevention and abatement of nuisances, and the preservation of the Public Health in the cities of Cambridge and Somerville."

Our city has already taken some action under this statute, but has barely made a beginning. It has issued the preliminary notice to owners of land in certain localities, to compel the raising of the grade in accordance with the requirements of the act.

The expense of filling these lands up to the established

grade will be considerable, and in some cases may seem onerous; but we must remember that the sole object of the act, and of all action of the city under it, is *the preservation of the Public Health*.

If these lands are built upon before the grade is raised, it is impossible to provide any plan or system for their under-drainage or sewerage. Their drainage must be upon the surface; and all experience has taught that in cities containing a population as large as ours, such drainage is greatly detrimental to health.

It has been truly said that no one can estimate the value of health, and no one can properly calculate the cost of sickness.

The loss and expense incident upon the sickness of a single member of the family, would probably pay the cost of raising to the required grade, the lot of any homestead in the city; and every lot thus raised would be increased in actual market value, much more than the cost of filling. Let then those who own single lots, or larger tracts of low land, who think they are in this matter called upon to bear a somewhat heavy burden, consider the sure profit and increase in cash value, health, comfort and general improvement, which the outlay is sure to produce.

I earnestly urge upon you a vigorous application of the provisions of this act, to all lots of low land in our city, upon which buildings shall hereafter be erected; and I as earnestly recommend the raising to the established grade the present year, all the territory lying between the upper basin of Miller's river, Webster Avenue, Medford street, and the line of Cambridge.

I beg you, let no opposition, or caviling of land-owners deter you, or delay your action in these matters; but ap-

precipitating them as great sanitary necessities, involving the health and comfort of our whole people, let your action be as prompt and decisive, as the exigences are urgent and pressing.

Gentlemen of the City Council :

Desiring the welfare and advancement of our city, and the well being and contentment of our fellow citizens, let us aim to secure these blessings, by a strict and firm adherence to those practices, as well as principles of justice, which can alone secure them.

Our oaths of office, as well as obligation to a confiding constituency, bind us to strict integrity, and earnest fidelity in the discharge of our various duties ; and keeping our responsibilities constantly in mind, let us by untiring industry and energy, endeavor to faithfully fulfil the obligations we have now assumed.

Statutes and ordinances however wisely framed, cannot, without prompt and impartial administration, achieve the prosperity and happiness of any community.

The position of our city is more than ordinarily advantageous, the greater part of our lands being eligibly situated, and most inviting for residences.

With such a territory, and all its advantages, it is our duty by wise and judicious expenditures, to see to it that all the dwellers within our borders are provided with what is but their simple right, proper means of education, health-securing and health-preserving measures, good streets and sidewalks, street lights, pure water, proper protection to life and property, and the proper administration of justice.

The withholding of whatever expenditure of money is necessary to properly provide our citizens with all these

privileges, is an unwise saving, and a thriftless economy, which will in time be surely felt and sorely regretted, alike by the rich and the poor. Extravagant and ill-considered expenditures, are equally injurious and demoralizing in their effect. Let a wise and cautious distinction between a too parsimonious economy on the one hand, and extravagant liberality on the other, be the guiding line for your judgment and actions; and when our year of duty and labor is ended, may we have the satisfaction of knowing that another step has been taken in sustaining and advancing the welfare, honor and renown of our beloved city.

TREASURER'S
SECOND ANNUAL REPORT
OF THE
FINANCIAL CONDITION
OF THE
CITY OF SOMERVILLE;
AND THE
RECEIPTS AND DISBURSEMENTS
FOR THE FINANCIAL YEAR .
1873.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Feb. 23, 1874.

The Report of the City Treasurer and Collector of Taxes for the year 1873 was received, accepted, and referred to the Committee on Finance, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 25, 1874.

Concurred in.

SOLOMON DAVIS, *Clerk.*

IN COMMITTEE ON FINANCE, March 16, 1874.

To the City Council of the City of Somerville.

The Committee on Finance in accordance with the Ordinances, have examined the books and accounts of the City Treasurer and Collector, for the financial year ending Dec. 31st., 1873, and they take pleasure in herewith reporting — that they found the same kept in the most systematic and accurate manner, with the proper vouchers accompanying.

They would also state that they have compared his report (which was referred to this Committee by the City Council) with the books — and find the same to be correct, and recommend that it be accepted and ordered to be printed.

Respectfully submitted,

CLARK BENNETT, *for the Committee.*

IN BOARD OF MAYOR AND ALDERMEN, March 16, 1874.

Report accepted and adopted. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, March 16, 1874.

Concurred in.

SOLOMON DAVIS, *Clerk.*

IN BOARD OF MAYOR AND ALDERMEN, March 16, 1874.

ORDERED: —

That the Committee on Printing be, and they are hereby authorized to cause to be printed a suitable number of the Treasurer's Report for the financial year ending December 31, 1873.

Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, March 16, 1874.

Concurred in.

SOLOMON DAVIS, *Clerk.*

CITY OF SOMERVILLE,

TREASURER'S OFFICE, FEB. 23, 1874.

*To the Hon. the Mayor and the
City Council of the City of Somerville,*

GENTLEMEN :

The undersigned, in conformity with a requirement of the City Ordinances, has the honor of presenting his second annual report of the Financial Condition of the City; together with an account of the Receipts and Disbursements during the year 1873.



FINANCIAL CONDITION OF THE CITY.

Public Property.

An inventory of the property of the City, taken by the Committee on Public Property, Dec. 22, 1873, gives the value as \$752,750.00; not including the Water Works, or the new School House in Prospect Hill District. The value of the Water Works Dec. 31, 1872, was \$245,686.76; expended in 1873, \$27,691.26; value Dec. 31, 1873, \$273,378.02. The amount expended upon the School House in Prospect Hill District to Dec. 31, 1873, was \$30,155.04. Aggregate value of the public property at the close of the year, \$1,056,283.06.

A detailed statement of the property may be found in Table A, submitted herewith.

Funded Debt.

The funded debt of the City Dec. 31, 1872, was \$643,354.00. During the past year the debt was increased for the extension of the Water Works, \$40,000.00; for the erection of a School-house in Prospect Hill District, \$40,000.00; for the completion of the Hose House in Ward 4, \$6,000.00; for the construction of a sewer in Milk Street, \$75,000.00; to re-imburse the Treasury for sums paid in 1872, for the construction of sidewalks, \$30,000.00; (\$10,000.00 of which was paid Oct. 1, 1873;) for the construction of sidewalks in 1873, \$20,000.00; to re-imburse the Treasury for amount paid in 1872, for the Beach Street School-house, \$5,000.00; and for the payment of an equal amount of debt which became due April 1, 1873, \$20,000.00. Aggregate of funded debt at the close of the year, \$849,354.00.

A schedule of the funded debt may be found in Table B.

One half of the \$100,000. authorized in 1872 to be borrowed on Funded Debt account for the City's part of the cost of constructing sidewalks, having been borrowed, there remains the sum of \$50,000. subject to future requirements.

In 1873, authority was given to the Committee on Finance to borrow on Funded Debt account, for the payment of awards for land taken by the County Commissioners in the laying out of the widening of Milk Street and incidental charges, the sum of \$70,000; and to reimburse the Treasury for sums expended in the construction of the widening of Highland Avenue, the sum of \$27,000.

The excess of Public Property over Funded Debt is \$206,929.06 ; and the excess of available assets (including Excess and Deficiency account, etc., to be provided for in the appropriations of 1874,) over the floating debt, is \$29,472.03 : the total assets exceeding the entire liabilities, \$236,401.09, as in Table C.



RECEIPTS AND DISBURSEMENTS.

The aggregate receipts of the year, including the balance from the previous year's accounts, itemized in Table D, were \$1,089,296.00, and the disbursements, itemized in Table E, were \$979,790.81, leaving in the Treasury, after closing the year's accounts, a balance of \$109,505.19, as in Tables C. and E.

The excess of current expenses over the appropriations therefor, was \$11,969.03, as in Table F.

The unexpended balances of the special appropriations are, Somerville Water Works, \$10,094.05 ; School House in Prospect Hill District, \$29,844.96 ; Public Library, \$2,224.06 ; Middlesex Avenue, \$7,758.00 ; Milk Street Sewer, \$52,514.00 ; Milk Street Widening, \$26,429.50, and Sidewalks, \$48,266.72, as in Tables C. and E.

Respectfully submitted,

AARON SARGENT,

Treasurer.

Table A.

PUBLIC PROPERTY, DECEMBER 31, 1873.

Central Hill Land, (12 acres, 27,920 feet)	\$175,000 00
City Hall,	13,000 00
Furniture,	4,250 00
	<hr/> 17,250 00
Steam Fire Engine House,	19,500 00
Furniture,	500 00
Steam Fire Engine & Apparatus	6,000 00
Steam Fire Engine, Hose Carriage and Apparatus,	2,000 00
	<hr/> 28,000 00
High School House,	60,000 00
Furniture,	3,500 00
Philosophical Apparatus,	500 00
	<hr/> 64,000 00
Prescott School House Land, (21,444 feet) and Building,	55,000 00
Furniture,	3,000 00
	<hr/> 58,000 00
Prospect Hill School House Land, (25,313 feet, and Building,	30,000 00
Furniture,	1,500 00
	<hr/> 31,500 00
Forster Hill School House Land (32,693 feet) and Building,	52,500 00
Furniture,	1,500 00
	<hr/> 54,000 00
Morse School House Land, (29,109 feet) and Building,	30,000 00
Furniture,	1,250 00
	<hr/> 31,250 00
Lincoln School House Land (18,000 feet) and Building,	14,000 00
Furniture,	1,000 00
	<hr/> 15,000 00
<i>Amount carried forward,</i>	<hr/> \$174,000 00

Amount brought forward, . . . \$474,000 00

Jackson School House Land (8,015 feet)

and Building,	. . .	8,000 00	
Furniture,	. . .	500 00	
		<u> </u>	8,500 00

Bennett School House Land, (20,560 feet)

and Building,	. . .	15,000 00	
Furniture,	. . .	500 00	
		<u> </u>	15,500 00

Webster School House Land, (11,050 feet)

and Building,	. . .	12,000 00	
Furniture,	. . .	500 00	
		<u> </u>	12,500 00

Union School House Land, (9,360 feet)

and Building,	. . .	4,500 00	
Furniture,	. . .	100 00	
		<u> </u>	4,600 00

Harvard School House Land, (9,810 feet)

and Building,	. . .	3,500 00	
Furniture,	. . .	200 00	
		<u> </u>	3,700 00

Edgerly School House Land, (26,428 feet)

and Building,	. . .	35,000 00	
Furniture,	. . .	500 00	
		<u> </u>	35,500 00

Brastow School House Land, (10,019 feet)

and building,	. . .	8,000 00	
Furniture,	. . .	250 00	
		<u> </u>	8,250 00

Franklin School House Land, (33,017 feet)

and Building,	. . .	18,000 00	
Furniture,	. . .	500 00	
		<u> </u>	18,500 00

Beach Street School House Land (6,000 feet)

and Building,	. . .	6,000 00	
Furniture,	. . .	500 00	
		<u> </u>	6,500 00

Amount carried forward, . . . \$587,550 00

<i>Amount brought forward,</i>			\$587,550 00
Spring Hill School House Land, (4,991 feet)			
and Building,			2,500 00
City Farm Land, (10 acres, 12,523 feet)			40,000 00
Cedar Street School House,	1,500 00		
Furniture,	100 00		
			<u>1,600 00</u>
City Stables and Dwelling Houses,	11,000 00		
Equipments for Highway Repairs,	4,500 00		
			<u>15,500 00</u>
No 1. Hose House Land, (4,312 feet) and			
Building,	5,600 00		
Furniture,	400 00		
John E. Wool Hose Carriage and			
Apparatus,	2,000 00		
			<u>8,000 00</u>
No. 2 Hose House Land, (5,400 feet) and			
Building,	11,000 00		
Furniture,	300 00		
Winter Hill Hose Carriage and			
Apparatus,	2,000 00		
			<u>13,300 00</u>
No. 3 Hose House Land, (5,226 feet) and			
Building,	13,000 00		
Furniture,	300 00		
Geo. H. Foster Hose Carriage and			
Apparatus,	2,000 00		
Prescott Hook & Ladder Carriage			
and Apparatus,	500 00		
Hand Engine, &c., &c.,	200 00		
			<u>16,000 00</u>
No. 4 Hose House Land, (9,100 feet) and			
Building,	16,000 00		
Furniture,	400 00		
Geo. O. Brastow Hose Carriage			
and Apparatus,	1,200 00		
			<u>17,600 00</u>
<i>Amount carried forward,</i>			\$702,050 00

<i>Amount brought forward,</i>	.	.	.	\$702,050 00
Police Station Land, (7,918 feet) and				
Building,	.	.	.	10,000 00
Joy Street Land, (2,960 feet)	.	.	.	1,000 00
Walnut Hill Land, (10,890 feet)	.	.	.	1,500 00
Ledge Land—on Bond St., (39,732 feet)	5,000			00
Holland Street, (5 a. 6,806				
feet)	.	.	.	25,000 00
Milk Street, (39,456 feet)	7,000			00
				<hr/> 37,000 00
Gravel Land in town of Winchester, (2 acres)				700 00
School Furniture in Vinal's and Hawkins'				
Halls and Vestry of Webster				
Avenue Church,	.	.	.	500 00
School House in Prospect Hill District				
Land (22,262 feet) and				
Building, (unfinished)	.	.	.	30,155 04
Somerville Water Works,	.	.	.	273,378 02
				<hr/> \$1,056,283 06

Table B.

FUNDED DEBT, DECEMBER 31, 1873.

Date.	Loan.	Rate per cent. of Interest.	When Due.	Amount.
Oct. 1, 1872 .	Sidewalk Bond, No. 2 .	7	Oct. 1, 1874 .	\$10,000
Dec. 1, 1869 .	Town " No. 2 .	7	Dec. 1, 1874 .	35,000
" " .	School " No. 1 .	7	" " .	27,000
Oct. 1, 1872 .	Sidewalk " No. 3 .	7	Oct. 1, 1875 .	10,000
" " .	City " No. 18	7	" " .	5,000
April 1, 1873 .	" " No. 19	7	April 1, 1876 .	6,000
" " .	Water " No. 14	7	" " .	20,000
" " .	" " No. 15	7	" " .	40,000
July 1, 1873 .	City " No. 20	7	July 1, 1876 .	38,000
" " .	" " No. 21	7	" " .	2,000
April 1, 1873 .	Sidewalk " No. 4 .	7	Oct. 1, 1876 .	10,000
Oct. 1, 1873 .	City " No. 22	7	" " .	6,000
" " .	" " No. 23	7	" " .	6,000
" " .	" " No. 24	7	" " .	4,000
" " .	" " No. 25	7	" " .	2,000
" " .	" " No. 26	7	" " .	2,000
" " .	" " No. 27	7	" " .	4,000
" " .	" " No. 28	7	" " .	3,000
" " .	" " No. 29	7	" " .	1,000
" " .	" " No. 30	7	" " .	2,000
April 1, 1873 .	Sidewalk " No. 5 .	7	Oct. 1, 1877 .	10,000
Oct. 1, 1873 .	City " No. 31	7	Oct. 1, 1878 .	5,000
" " .	" " No. 32	7	" " .	5,000
" " .	" " No. 33	7	" " .	25,000
" " .	" " No. 34	7	" " .	5,000
" " .	" " No. 35	7	" " .	5,000
Jan. 1, 1869 .	Water " No. 1 .	6 $\frac{1}{2}$	Jan. 1, 1879 .	10,000
" " .	" " No. 2 .	6 $\frac{1}{2}$	" " .	10,000
" " .	" " No. 3 .	6 $\frac{1}{2}$	" " .	10,000
July 1, 1872 .	City " No. 2 .	5 $\frac{1}{2}$	July 1, 1879 .	5,454
Oct. 1, 1859 .	Town " No. 1 .	5 $\frac{1}{2}$	Oct. 1, 1879 .	14,400
July 1, 1870 .	" " No. 3 .	6 $\frac{1}{2}$	July 1, 1880 .	55,000
Oct. 1, 1870 .	" " No. 4 .	6 $\frac{1}{2}$	Oct. 1, 1880 .	21,500
" " .	Water " No. 6 .	6 $\frac{1}{2}$	" " .	40,000
Dec. 31, 1870 .	" " No. 7 .	6 $\frac{1}{2}$	Jan. 1, 1881 .	20,060
" " .	Town " No. 5 .	6 $\frac{1}{2}$	" " .	5,000
" " .	School " No. 2 .	6 $\frac{1}{2}$	" " .	3,000
April 1, 1871 .	" " No. 3 .	6 $\frac{1}{2}$	April 1, 1881 .	60,000
Oct. 1, 1871 .	Water " No. 8 .	6 $\frac{1}{2}$	Oct. 1, 1881 .	10,000
" " .	" " No. 9 .	6 $\frac{1}{2}$	" " .	10,000
" " .	" " No. 10	6 $\frac{1}{2}$	" " .	10,000
" " .	" " No. 11	6 $\frac{1}{2}$	" " .	10,000
" " .	Town " No. 6 .	6 $\frac{1}{2}$	" " .	10,000
" " .	" " No. 7 .	6	" " .	2,000
" " .	" " No. 8 .	6 $\frac{1}{2}$	" " .	11,500
" " .	School " No. 4 .	6 $\frac{1}{2}$	" " .	25,000
April 1, 1872 .	City " No. 1 .	6 $\frac{1}{2}$	April 1, 1882 .	17,500
Amount carried forward,				\$648,354

Table B, Continued.

Date,	Loan.	Rate per cent of Interest.	When Due.	Amount.
	<i>Am't brought forward,</i>			\$648,354
July 1, 1872 .	City Bond, No. 3 .	6 $\frac{1}{2}$	July 1, 1882 .	5,000
" " .	" " No. 4 .	6 $\frac{1}{2}$	" " .	5,000
" " .	" " No. 5 .	6 $\frac{1}{2}$	" " .	10,000
" " .	" " No. 6 .	6 $\frac{1}{2}$	" " .	10,000
" " .	Water " No. 12	6 $\frac{1}{2}$	" " .	50,000
" " .	" " No. 13	6 $\frac{1}{2}$	" " .	40,000
" " .	City " No. 8 .	6 $\frac{1}{2}$	" " .	10,000
" " .	" " No. 9 .	6 $\frac{1}{2}$	" " .	5,000
" " .	" " No. 10	6 $\frac{1}{2}$	" " .	10,000
Oct. 1, 1872 .	" " No. 11	6 $\frac{1}{2}$	Oct. 1, 1882 .	5,000
" " .	" " No. 12	6 $\frac{1}{2}$	" " .	5,000
July 1, 1872 .	" " No. 7 .	5 $\frac{1}{2}$	July 1, 1884 .	20,000
Oct. 1, 1872 .	" " No. 13	6	Oct. 1, 1884 .	6,000
" " .	" " No. 14	6	" " .	5,000
" " .	" " No. 15	6	" " .	5,000
" " .	" " No. 16	6	" " .	5,000
" " .	" " No. 17	6	" " .	5,000
Total,				\$849,354

Table C.

LEDGER BALANCES, DECEMBER 31, 1873.

Public Property, (as in table A.)	\$1,056,283.06	
Funded Debt, (as in table B.)		\$849,354.00
Property and Debt Balance, (excess of assets over liabilities.)		236,401.09
Temporary Loans, (notes outstanding,)		231,000.00
Appropriations, (special — unexpended,) . . .	166,788.27	
Taxes, (uncollected,)	95,301.84	
Highway Betterment Assessments, (uncollected,) .	7,760.00	
Sewer Assessments, (uncollected,)	19,395.98	
Somerville Water Works, (to cr. of acct.,) . . .		10,094.05
State of Mass. — State Aid, (due from the State,) .	3,378.63	
School House in Prospect Hill District, (to cr. of acct.,)		29,844.96
Highways, (Middlesex Avenue) [to cr. of acct.,] .		7,758.00
Sidewalks, (to cr. of acct.,)		48,266.72
Overlay and Abatement, (balance to debit of acct.,)	961.76	
Public Library, (to cr. of acct.,)		2,224.06
Excess and Deficiency, (balance to debit of acct.,) .	11,969.03	
Sidewalk Assessments, (uncollected,)	21,258.27	
Sewers, (Milk St. Sewer,) [to cr. of acct.,] . . .		52,514.00
Highways, (Milk St. widening,) [to cr. of acct.,] .		26,429.50
Water Service Assessments, (uncollected,) . . .	1,284.35	
Cash (on deposit,)	109,505.19	
	\$1,493,886.33	\$1,493,886.33

Table D.

RECEIPTS DURING THE YEAR 1873.

Cash.

Balance from previous year,	\$4,903 80
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Funded Debt.

Received from sale of bonds authorized by
the City Council.

Bonds Nos. 1 @ 5, Sidewalk Loan,	\$50,000 00
Bonds Nos. 14 and 15 Water	
Loan,	60,000 00
Bonds Nos. 18 @ 35, inc. City Loan,	126,000 00
	<hr/> 236,000 00

Temporary Loans.

Amounts borrowed by authority of the
City Council,

March 1, Home Savings Bank,	
payable April 15,	\$50,000
April 8, Dwelling House Ins.	
Co., payable Oct. 1,	20,000
April 15, New Eng. Trust Co.,	
payable Oct. 15,	55,000
April 22, Ar Showe & Co., pay-	
able Oct. 22,	5,000
June 26, New Eng. Trust Co.,	
payable Sept. 26,	30,000
July 19, Home Savings Bank,	
paid Dec. 20,	65,000
Nov. 19, through the National Se-	
curity Bank, payable March	
19, 1874,	25,000
Nov. 20, through the same, pay-	
able March 20, 1874,	25,000
Nov. 19, Asa P. Potter, payable	
Feb. 19, 1874,	10,000

Amount carried forward,	.	.	\$285,000	\$240,903 80
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<i>Amount brought forward,</i>	\$285,000	\$240,903 80
Nov. 19, Hathaway & Woods, payable March 19, 1874,	5,000	
Nov. 21, Bunker Hill National Bank, payable March 21, 1874,	10,000	
Nov. 28, of the same, payable March 28, 1874,	10,000	
Nov. 25, Jesse Simpson, payable Feb. 25, 1874,	2,000	
Nov. 26, through the National Security Bank, payable March 26, 1874, 2 notes of \$5,000 each,	10,000	
Nov. 29, through the same, payable March 29, 1874, 5 notes of \$5,000 each,	25,000	
Dec. 1, J. B. Remick, payable March 1, 1874,	1,500	
Dec. 3, through the National Security Bank, payable April 3, 1874,	1,500	
Dec. 3, through the same, payable April 3, 1874,	50,000	
Nov. 1, R. H. Sturtevant, payable Feb. 1, 1874,	3,000	
Nov. 1, of the same, payable April 1, 1874,	3,000	
Dec. 16, Boston Five Cents Savings Bank, payable April 16, 1874,	50,000	
	<hr/>	456,000 00

Available Assets.

Sums received which cannot properly be credited to any specific department.

From the State Treasurer on account of Corporation Tax of 1872,	\$139 77	
On account of Corporation Tax of 1873,	3,197 57	
On account of Bank Tax of 1873,	3,846 99	
	<hr/>	\$7,184 33
<i>Amount carried forward,</i>		\$704,088 13

Amount brought forward, . . . \$704,088 13

Taxes.

For 1871, uncollected Dec. 31, 1872,	. \$405 72
Since abated,	. 290 38
	<u>115 34</u>

For 1872, uncollected, Dec. 31, 1872,	\$24,495 04
Since abated,	543 92
Uncollected Dec. 31, 1873, 1,920 00	2,463 2
	<u>\$22,031 12</u>

For 1873, assessed on \$29,643,100, valuation at \$12.80 on a thousand and on polls; amount as per Assessors' warrant, 388,914 48

Abatements, net,	13,027 84
Uncollected,	<u>93,381 84</u>
	106,409 68
	<u>\$282,504 80</u>

Received for 1871,	115 34
“ “ 1872,	22,031 12
“ “ 1873,	282,504 80

304,651 26

Fire Department.

Received of the town of Everett, for old John E. Wool Hose Carriage, 450 00

For manure,	36 00
Of Neptune Ins. Co., return premium on policy,	14 95
For horse sold,	150 00

650 95

Highways.

Received of the City of Charlestown for damages caused in laying water main, 1,000 00

For rent of ledge land,	25 00
For earth delivered,	414 50

1,439 50

Amount carried forward, . . . \$1,010,829 84

Amount brought forward, . . . \$1,010,829 84

Highway Betterment Assessments.

Uncollected December 31, 1872, . . .	6,265 33	
Amount of Mayor and Aldermen's war- rants in 1873, . . .	8,560 00	
	<hr/>	
	14,825 33	
Abatement, . . .	147 38	
Uncollected, . . .	7,760 00	7,907 38
	<hr/>	
		6,917 95

Interest.

Received on deposits in Banks, . . .	1,672 40	
“ taxes, . . .	3,196 43	
“ bonds issued, accrued interest at time of negotiating, . . .	202 22	
“ sundries, . . .	88 97	
	<hr/>	
		5,160 02

Miscellaneous.

Received of the State as rent of Armory for 1872, . . .	225 00	
Militia bounty of 1872, . . .	234 08	
“ “ 1873, . . .	61 50	
fees on sale of real estate for non- payment of taxes, assess- ments, &c. over costs, . . .	733 78	
of Chas. E. Gilman fees as City Clerk for recording liens and mortgages, and for marriage certificates, . . .	400 45	
“ sundries, . . .	71 52	
	<hr/>	
		1,726 33

Miscellaneous. (Watering Streets.)

Received of sundry persons as their propor- tional part of the cost of watering streets, . . .	2,819 00
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Police.

Received return premium on insurance policy on station, . . .	30 00	
of Fitchburg Railroad Co. for ser- vices of watchman in 1871, . . .	268 50	
	<hr/>	
		298 50

Amount carried forward, . . . \$1,027,851 64

Amount brought forward, . . . \$1,027,751 64
School Contingent.

Received of the State, City's proportion of School Fund for 1872,	641 85	
for use of Prescott Hall and room in building,	289 00	
" use of Forster Hall,	173 00	
" " Morse Hall,	40 00	
" " Forster Hall in 1872,	306 00	
" tuition of non-resident pupils,	134 50	
" return premiums on policies of insurance,	151 76	
" sundries,	1 80	
	<hr/>	1,737 91

Sewers.

Received discount on bill paid,		2 25
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Sewer Assessments.

Uncollected Dec. 31, 1872,	10,844 32	
Amount of Mayor and Aldermen's war- rants in 1873,	24,693 06	
	<hr/>	35,537 38
Abatements,	1,088 09	
Uncollected,	19,395 98	
	<hr/>	20,484 07
		15,053 31

Street Lights.

Received of sundry persons for lamp posts located,	510 00	
of Fitchburg Railroad Co. for ex- tra gas consumed at E. Cam- bridge Crossing,	6 66	
	<hr/>	516 66

State of Massachusetts. (State Aid.)

Amount charged the State Dec. 31, 1872,	3,695 66	
Disallowed by State,	61 73	
Uncollected of State,	33 93	
	<hr/>	95 66
		3,600 00
<i>Amount carried forward,</i>		\$1,048,661 77

Amount brought forward, . \$1,048,661 77

Support of Poor.

Received of the State for aid rendered,	45 00	
of the City of Cambridge for aid rendered,	318 00	
of sundry persons for aid rendered,	54 93	
		<hr/> 417 93

Sidewalk Assessments.

Uncollected Dec. 31, 1872,	12,938 12	
Amount of Mayor and Aldermen's war-rants in 1873,	34,420 06	
	<hr/> 47,358 18	
Abatements,	274 46	
Uncollected,	21,258 27	
	<hr/> 21,532 73	
		<hr/> 25,825 45

Somerville Water Works.

Received for materials furnished,	42 65	
" damages to pipes,	27 00	
		<hr/> 69 65

Hose House in Ward 4.

Received for sand sold,	88 50	
" insurance premium paid,	138 37	
		<hr/> 226 87

Highways. (Highland Avenue Widening.)

Received for earth sold,	1,418 00
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Police Court Department.

Received of Lebbeus Stetson, Clerk of the Court, officers' fees &c., for 1872,	836 35
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Public Library.

Received of the County Treasurer return on dog licenses for 1872,	1,139 33	
donation from Horace Haskins and J. A. Cummings,	100 00	
of the librarian, for Catalogues sold,	97 92	
finer,	43 28	
sundries,	5 60	
		<hr/> 1,386 13

Amount carried forward, . \$1,078,842 15

Amount brought forward, . . . \$1,078,842 15

Water Distribution.

Received of Mystic Water Board of Charles-
town, return on water rates,

1872—20 % on \$1,675.59, 335 11

1873—15 % on \$20,000.00, 3,000 00

20 on \$8,749.31, 1,749 86

5,084 97

on Water Bonds issued, accrued
interest at time of negotiat-
ing,

116 67

5,201 64

Water Services.

Amount of assessments as per certificate of
Superintendent of Water
Works,

6,536 56

Uncollected,

1,284 35

5,252 21

Total receipts, \$1,089,296 00

Table E.

MENTS DURING THE YEAR 1873.

Fundea

Paid Bond 1. Water Loan, . . . \$20,000

Bond No. 2, Sidewalk Loan, . . . 10,000

\$30,000 00

Temporary Loans.

Paid Massachusetts Hospital Life Insur-
ance Co. note, dated Dec. 31,
1872,

50,000

Suffolk Nat'l Bank, note dated Dec.
31, 1872,

15,000

Faneuil Hall Nat'l Bank, note dated
Dec. 31, 1872,

10,000

Amount carried forward, . . . \$75,000 \$30,000 00

<i>Amount brought forward,</i>	\$75,000	\$30,000	00
Home Savings Bank, notes dated			
March 1, 1873,	50,000		
July 19, 1873,	65,000		
Dwelling House Ins. Co., note dated			
April 8, 1873,	20,000		
J. T. Glines, note dated Dec. 31, 1872,	3,500		
Ar Showe & Co., note dated April			
22, 1873,	5,000		
New Eng. Trust Co., notes dated			
April 15, 1873,	55,000		
June 26, 1873,	30,000		
		303,500	00

Taxes.

Refunded sundry persons,	305	48
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Fire Department.

Paid J. R. Hopkins, Chief Engineer, Salary,	600	00
Four Assistant Engineers, salaries,	800	00
Clerk of Engineers, salary	50	00
Steamer Company,	755	00
John E. Wool Hose Co.,	789	83
Geo. H. Foster Hose Co.,	686	25
Winter Hill Hose Co.,	667	50
Geo. O. Brastow Hose Co.,	104	99
Prescott Hook & Ladder Co.,	1,124	25
Steamer Engineer,	1,020	00
Steamer Fireman,	840	00
Four drivers at \$840 each,	3,360	00
One driver (8 mos.),	560	00
One driver (2 mos.),	140	00
Running Hook & Ladder Carriage	300	00
Louer & Rice, for Winter Hill		
Hose Carriage	1,020	00
Dole & Osgood, for John E. Wool		
Hose Carriage,	1,062	00
Mystic Water Board, Charlestown		
water for hydrants,	616	00
Repair bills on apparatus,	2,013	17
<i>Amount carried forward,</i>	\$16,508	99
	\$333,805	48

<i>Amount brought forward,</i>			\$16,508 99	\$333,805 48
Repair bills on buildings,	3,133	94		
Furniture bills,	1,268	37		
Heating apparatus and repairs,	315	11		
Grain bill,	478	90		
Hay and straw bills,	764	89		
Fuel bills,	646	47		
Gas bills,	485	33		
Harnesses and repairs,	533	73		
Blacksmithing and horse-shoeing bills,	214	22		
Washing,	75	41		
E. Cooper, for horse,	400	00		
John Nason, " "	350	00		
J. W. Cotton, " "	400	00		
Sturtevant Bros. " "	350	00		
Henry A. Angier, for use of horse,	28	00		
Sundry bills for insurance, re- freshments, materials furnish- ed and labor performed,	1,659	26		
				27,612 62

Health Department.

Paid C. L. O'Neil, for removing house offal				
1 year to Dec. 26, 1873,	3,050	00		
for collecting ashes,	208	00		
M. C. Parkhurst, as agent of Board of Health, 2 yrs., to Dec. 31, 1873,	200	00		
Patrick Rafferty, undertaker's services,	105	00		
for vaccine virus,	313	50		
" attendance, nursing, &c., in small pox cases,	1,104	92		
Drs. W. W. Dow, H. P. Hemen- way, E. L. White, Horace Chapin, Reuben Willis and S. Hanscom \$250 each as vaccinating physicians, and \$150 each for extra compen- sation,	2,400	00		
sundry bills,	184	83		
				7,566 25
<i>Amount carried forward,</i>				\$368,934 35

Amount brought forward, . . . \$368,984 35

Highways.

Paid monthly pay rolls for labor,	\$19,814 47	
Turner, Kidner & Co., paving,	19,355 63	
F. W. Meade for crushed stone,	6,035 00	
sundry bills for stone,	5,137 27	
sundry bills for gravel,	4,290 65	
sundry bills for powder,	105 90	
A. Parker, for street curbs,	152 00	
Hay and straw bills,	424 52	
Grain bills,	1,695 76	
Blacksmithing and horse shoeing		
bills,	697 43	
Mrs. E. R. Towle, use of oxen,	372 00	
John McKenna, teaming,	1,146 00	
Edwin Burke,	795 00	
D. Crimmings,	897 00	
J. T. Bamrick,	492 50	
Jas. McCarroll,	786 00	
Jerry McCarty,	486 00	
J. R. Hopkins,	459 00	
Frank Bottamer,	252 00	
Owen Cunningham,	375 00	
John Riley,	255 00	
Hugh Maguire,	252 00	
Henry Gray,	282 00	
Mrs. A. O'Brien,	681 00	
Michael O'Connell,	174 00	
Boston, Lowell & Nashua Rail-		
road, moving gravel from		
Winchester,	307 45	
for trees,	90 00	
Sundry bills for materials fur-		
nished, &c.,	1,648 64	
F. Henderson, salary as superin-		
tendent of streets,	1,500 00	
		68,959 22
<i>Amount carried forward,</i>		\$437,943 57

Amount brought forward, . . . \$437,943 57

Highways. (*Boston Avenue.*)

Paid Nicholas White for construction, . . . \$2,100 00

Highways. (*Otis Street.*)

Paid Jerry McCarty, for construction, . . . \$1,400 00

Highways. (*Highland Avenue widening.*)

Paid J. B. Bolton, award for land taken, \$4,236 00

A. H. Bailey, award for land taken, 700 00

Monthly pay-rolls for labor, . . . 6,517 05

F. W. Mead, for crushed stone, . . . 4,023 50

Sundry bills for stone, . . . 3,223 70

Sundry bills for gravel, . . . 887 00

C. Linehan, for watering, . . . 99 75

Mrs. E. R. Towle, use of oxen, . . . 1,464 00

Jas. McCarroll, teaming, . . . 1,098 00

Mrs. A. O'Brien, " . . . 1,218 00

D. Crimmings, " . . . 1,440 00

Hugh Maguire, " . . . 564 00

Frank Bottamer, " . . . 537 00

Edwin Burke, " . . . 474 00

Martin Gill, " . . . 501 00

John Riley, " . . . 531 00

Owen Cunningham, " . . . 540 00

Sundry bills for materials, labor, etc., 553 02

————— \$28,607 02

Highways. (*Highland Avenue Extension.*)

Paid Tufts Brick Co., award of arbitrators, \$3,000 00

A. F. Eastman, award of arbitrators, 2,500 00

Arbitrator's services, . . . 3,225 00

J. H. George, legal services, . . . 600 00

Sundry bills, . . . 244 00

————— \$9,569 00

Highways. (*Middlesex Avenue.*)

Paid John H. Dawe, on account of construction, . . . \$7,200 00

Sundry bills, . . . 42 00

————— \$7,242 00

Amount carried forward, . . . \$486,861 59

Amount brought forward, . . . \$486,861 50

Highways. (*Milk Street widening.*)

Paid sundry persons, awards of County Commis-

sioners, for land taken,	. \$42,390 00
Laborers,	402 00
John McKenna, teaming, . . .	216 00
D. Crimmings, " . . .	117 00
Mrs. A. O'Brien, " . . .	222 00
Henry Gray, " . . .	111 00
Martin Gill, " . . .	48 00
Sundry persons,	64 50

43,570 50

Hose House in Ward 4.

Paid Thos. Preston and E. M. Paul, con-

tractors,	\$11,424 87
Thos. Preston, for extras, . . .	400 00
E. M. Paul, "	71 64
J. H. Clough, architect, . . .	150 00
Chas. Holmes, for furnace, . . .	345 50
D. & H. Gore, for edgestones, . .	174 91
N. Dennett, for gas fixtures, . .	130 00
M. S. Andrews, for vane, . . .	100 00
For gilding and putting up vane, .	50 00
For water service pipe,	37 57
Sundry bills,	191 84

13,076 33

Interest.

(*On Funded Debt.*)

Paid Coupons of Sidewalk Loan Bonds, Nos.

1 @ 5, inc., to Oct. 1, 1873, \$1,540 96

Coupons of Town Loan Bonds, Nos.

1, 4, 6, 7 & 8, to Oct. 1, 1873,

No. 2 to Dec. 1, 1873, and Nos.

3 and 5, to Jan. 1, 1874, . 10,057 00

Coupons of School Loan Bonds, Nos.

3 and 4, to Oct. 1, 1873, No. 1

to Dec. 1, 1873, and No. 2 to

Jan. 1, 1874, 7,610 00

Amount carried forward, . . . \$19,207 96 \$543,508 42

<i>Amount brought forward,</i>	\$19,207 96	\$543,508 42
Coupons of City Loan Bonds, Nos. 1 and 11 @ 19, inc., to Oct. 1, 1873, and Nos. 2 @ 10 inc., and 20 and 21 to Jan. 1, 1874,	9,978 39	
	<u>\$29,186 35</u>	

(On Temporary Loans.)

Paid Mass. Hospital Life Ins. Co. on note,	583 33	
Suffolk National Bank, on note,	310 00	
Faneuil Hall Bank, on note,	206 67	
Home Savings Bank, on note for \$50,000,	437 50	
Home Savings Bank, on note for \$65,000,	1,908 47	
Dwelling-House Ins. Co., on note,	672 78	
J. T. Glines, on note,	262 50	
Ar Showe & Co., on note,	187 50	
New Eng. Trust Co., on note for \$30,000,	487 50	
New Eng. Trust Co., on note for \$55,000,	2,200 00	
A. P. Potter, discount on note,	387 50	
Hathaway & Woods, discount on note,	256 25	
Bunker Hill National Bank, discount on two notes for \$10,000 each,	820 00	
National Security Bank, on two notes for \$25,000 each,	2,240 63	
National Security Bank, on seven notes for \$5,000 each,	1,530 83	
National Security Bank, on note for \$1,500,	35 88	
National Security Bank, on note for \$50,000,	1,833 34	
Sundry items,	118 00	
	<u>14,478 68</u>	
On Funded Debt,	29,186 35	
On Temporary Loans,	14,478 68	
		<u>43,665 03</u>
<i>Amount carried forward,</i>		\$587,173 45

Amount brought forward, . . . \$587,173 45

Miscellaneous.

Paid W. F. Brown & Co., for printing		
City Reports of 1872,	\$413	35
J. A. Cummings & Co., for printing,	389	45
Thos. Scott, for advertising,	198	40
Hooper, Lewis & Co., for blank books		
and stationery,	271	83
C. D. Elliot, extra compensation as		
City Engineer in 1872,	300	00
P. & W. S. White, carpenter work		
at City Hall,	497	05
Grand Army of the Republic, for		
Memorial day,	350	00
County Commissioners, order for		
City's part of support of Mal-		
den bridge,	800	00
A. Parker, for drinking trough,	125	00
Geo. A. Kimball, for sketch of Mill-		
er's river,	40	00
Geo. A. Kimball, for assistance to		
Assessors,	68	12
G. F. Morgan, for list of real estate		
conveyances for Assessors' use,	277	53
Union Hall Co., for use of hall,	80	00
Assistants to City Engineer,	323	25
Assistant to City Clerk,	125	00
H. B. Runey, for return of deaths		
in 1872,	58	10
A. E. Mann, for return of births in		
1872,	234	00
Repairs at Cemetery,	301	12
J. C. Magoun, Sealer of Weights and		
Measures, 1872,	100	00
R. F. Files, for plans and specifica-		
tions for station-house,	300	00
<i>Amount carried forward,</i>	\$5,252	20
	\$587,173	45

<i>Amount brought forward,</i>		\$5,252 20	\$587,173 45
Chas. Trull and T. C. Joslyn, pound			
keepers,	50 00		
Ward officers,	286 00		
A. Caswell, for care of flag-staff,	50 00		
Turner, Kidney & Co., for stone-work			
at City Hall,	1,175 25		
For Edgestones in front of Central			
Hill land,	786 18		
State Reform School, for keeping boys,	157 13		
J. L. Ross, for furniture for Asses-			
sors' room,	124 4		
G. W. Trefren, for repairs at Ar-			
mory, and laying floors at City			
Hall,	844 50		
Watching at City Hall,	217 00		
Cambridge Gas Co., for gas in City			
Hall and Armory, 15 months,	343 53		
Phineas Ball, for services in relation			
to Miller's river,	221 77		
John McKeon, damage to horse,	75 00		
C. H. North, damages to buggy,	24 00		
W. H. Winslow, mason work at City			
Hall,	80 00		
E. M. Paul, carpenter work at City			
Hall,	90 50		
R. Clarke & Co., painting at Armory,	100 00		
Co. B, 5th Reg. M. V. M., military			
services (refunded by State),	61 50		
Sundry bills, for services rendered			
and articles furnished,	2,270 13		
			12,209 12

Miscellaneous. (*Watering Streets.*)

Paid Mystic Water Board of Charles-			
town, for water,	\$400 00		
Chas. Linehan, for watering,	5,016 91		
Advertising,	7 50		
			\$5,424 41
<i>Amount carried forward,</i>			\$604,806 98

Amount brought forward, . . . \$604,806 98

Police Court Department.

Paid Jairus Mann, Constable of the Court,	\$500 00	
For food for prisoners, washing, etc.,	153 60	
For sundries,	64 00	
		717 60

Police.

Paid M. C. Parkhurst, Chief,	\$1,500 00	
R. R. Perry, Captain, . . .	1,200 00	
J. B. Alden, Policeman, . . .	1,095 00	
O. H. Webber, " . . .	1,095 00	
C. D. Clark, " . . .	1,095 00	
Edward McGarr, " . . .	1,095 00	
C. C. Cavanagh, " . . .	1,095 00	
S. C. Rollins, " . . .	1,095 00	
John Hafford, " . . .	1,081 00	
S. A. Brown, " . . .	1,079 50	
M. H. Kinsley, " . . .	1,065 50	
J. W. Oliver, " . . .	1,065 50	
P. W. Skinner, " . . .	1,065 50	
D. B. Spaulding, " . . .	1,023 00	
J. E. Cooledge, " . . .	866 50	
N. F. Caswell, " . . .	825 00	
F. W. Slade, " . . .	825 00	
S. R. Dow, " . . .	825 00	
E. W. Hudson, " . . .	792 00	
Ivan Loughton, " . . .	294 00	
Bernard Sheridan, " . . .	183 00	
Extra and Special " . . .	417 00	
G. W. Trefren, carpenter work on Station,	1,215 00	
W. G. Shattuck, for furniture, . . .	110 00	
Sundry bills, for furniture, . . .	135 95	
Charles Holmes, for stove, etc., . . .	100 50	
Sundry bills, for repairs on Station, . . .	41 25	
Sundry bills for gas, fuel, insurance, hand-cuffs, etc.,	535 86	
		22,816 06
<i>Amount carried forward,</i>		\$628,340 64

Amount brought forward, . . . \$628,340 64

Public Library.

Paid Noyes, Holmes & Co., for books,	. \$4,102 31	
Printing bills,	. . . . . 418 50	
For stationery,	. . . . . 73 04	
Premium of insurance,	. . . . . 37 50	
H. A. Adams, Ass't Librarian, 11		
months,	. . . . . 550 00	
Assistants,	. . . . . 137 25	
Sundries,	. . . . . 81 23	
	<hr/>	5,399 83

Salaries.

Paid Geo. O. Brastow, Mayor,	. . \$1,000 00	
Charles E. Gilman, City Clerk,	. . 2,000 00	
Aaron Sargent, City Treasurer,	. . 2,500 00	
S. Z. Bowman, City Solicitor,	. . 1,500 00	
L. R. Horne, City Engineer,	. . 2,000 00	
W. W. Dow, City Physician,	. . 700 00	
Solomon Davis, Clerk of Common		
Council,	. . . . . 300 00	
John C. Magoun, Assessor,	. . 600 00	
Thos. Cunningham, "	. . 600 00	
S. M. Smith, "	. . 600 00	
C. A. Jenks, Assistant Assessor 83		
days at \$4,	. . . . . 332 00	
E. C. Mann, Assistant Assessor 75		
days at \$4,	. . . . . 300 00	
F. G. Williams, Assistant Assessor		
83 days at \$4,	. . . . . 332 00	
Orel Towle, Assistant Assessor 83		
days at \$4,	. . . . . 332 00	
L. H. Bigelow, Clerk to Assessors,		
&c., 8 mos.,	. . . . . 800 00	
Assistant to Treasurer,	. . 383 33	
Jairus Mann, City Messenger,	. . 800 00	
	<hr/>	15,079 33
<i>Amount carried forward,</i>	. . . . .	\$648,819 80

Amount brought forward, . . . \$648,819 80

School Contingent.

(By the Committee on Public Property.)

Paid E. Paul, for finishing room in base- ment of Prescott School-house,	\$650 00
M. K. Norwood, for building addi- tion to Cedar St. School-house,	1,100 00
J. C. Dyer & Co., for painting School-houses, . . .	490 00
For earth for grading, . . .	945 50
Sidewalk Assessments, . . .	1,492 11
Sundry bills for furniture, . . .	1,082 70
Insurance premiums, . . .	301 50
For heating apparatus and repairs, .	1,356 97
For mason work, . . .	414 72
For carpenter work, . . .	2,375 37
For painting and glazing . . .	331 87
For lumber, . . .	88 62
For sundries, . . .	1,885 28
R. Clark & Co., for painting Beach St. School-house, . . .	200 00
	<u>\$12,714 64</u>

(By the Committee on Fuel.)

Paid Brine & Clark, for fuel, . . .	826 90
H. Wellington & Co., for fuel, . .	3,414 76
	<u>\$4,241 56</u>

(By the School Committee.)

Paid Janitors, . . .	2,234 03
Thos. Groom & Co., for pens, . . .	90 00
Mystic Water Board, water rates, .	304 78
R. A. Vinal, rent of hall, . . .	425 00
Union Hall Co., " " . . .	424 78
Methodist Episcopal Church, use of Vestry, . . .	200 00

Amount carried forward, . . . \$3,678 59 \$648,819 80

<i>Amount brought forward,</i>	\$3,678 59	\$648,819 80
Paid J. L. Hammett, books, etc., . . .	\$948 56	
Ginn Bros., for music charts, . . .	352 50	
Gas bills,	459 94	
Printing bills,	117 35	
Edmand's Band, services at High School Exhibition, . . .	45 00	
Joshua H. Davis, salary as superintendent,	2,000 00	
Sundries,	624 43	
Teachers, for books furnished, . . .	326 68	
	<u>\$8,553 05</u>	
By the Committee on Public Property,	12,714 64	
Committee on Fuel,	4,241 66	
School Committee,	8,553 05	
	<u>25,509 35</u>	

School Teachers' Salaries.

Paid as follows:—

Principal in High School, \$2,200;	
First Ass't in High School, \$1,800; other assistants in High School, \$850 each;—	
Principals in four Grammar schools, \$1,800 each; Principal in one Grammar school at the rate of \$1,800 for a part of the year and at the rate of \$2,000 for the remainder of the year; Assistants in Grammar schools and Teachers in Primary schools \$375 to \$650 each.	
Aggregate amount paid for the year,	51,997 07
<i>Amount carried forward,</i>	<u>\$726,326 22</u>

Amount brought forward, . . . \$726,326 22

Sewers.

Paid Bernard McCarroll, balance for constructing sewer in Prospect St. and Concord Ave.,	2,364	22
for constructing sewer in Springfield street,	1,580	85
Jerry McCarty, for constructing sewer in Thurston St.,	1,434	00
for constructing sewer in Broadway,	10,126	28
for constructing sewer in Webster street,	1,231	79
C. A. Mongan, for constructing sewer in Summer St.,	2,146	21
for constructing sewer in School street,	1,643	86
G. W. Lougee, for constructing sewer in Cedar and Summer Sts.,	4,717	15
for constructing sewer in Warren Ave.,	2,069	02
W. H. Winslow, for constructing sewer in Marshall, Pearl and Medford streets,	7,097	68
for constructing sewer in Sycamore street,	2,908	10
for constructing sewer in Washington street,	296	10
for constructing sewer in Lincoln street,	123	60
C. W. Higgins, labor on sewer in Lincoln street,	77	25
Patrick Pepper, for removing obstructions from water course,	25	00
Jas. Dana, for brick,	85	50
Wm. Jaques, " "	71	10
Edmands & Co., for drain pipe,	170	25
<i>Amount carried forward,</i> . . .	\$38,167 96	\$726,326 22

<i>Amount brought forward,</i>	\$38,167 96	\$726,326 22
Paid A. Parker, for curbs, . . .	\$212 60	
Hugh Rowe, for cess-pool covers, . .	180 00	
Wm. R. Bradford, for castings, . . .	153 02	
B. F. Ricker, for labor,	85 50	
laborers,	646 00	
Sundries,	690 46	
Albert Kenneson, Superintendent of sewers,	860 00	
	<hr/>	40,995 54

Sewers. (Milk Street Sewer.)

Paid Stephen H. Tarbell, on acc't of con- tract to construct,	21,470 00	
J. G. Chase, for surveys, plans, specifi- cations, services, &c.,	1,000 00	
for copying contract,	16 00	
	<hr/>	22,486 00

Sidewalks.

Paid Turner, Kidney & Co., for edge stones, &c., and setting,	\$33,525 85	
Geo. A. Foster, for brick,	8,071 60	
Collins & Turner, "	1,566 00	
Jas. Dana, "	999 00	
Sundry persons, "	181 52	
For gravel,	809 90	
John McKenna, teaming,	1,794 00	
Michael Connell, "	888 00	
Henry Gray, "	888 00	
Jerry McCarty, "	162 00	
For lumber,	238 72	
For sundries,	192 80	
Monthly pay-rolls for labor,	3,399 38	
	<hr/>	\$52,716 77

Soldier's Relief.

Paid Brine & Clark, for fuel,	\$164 41	
Sturtevant Bros., for provisions,	196 00	
<i>Amount carried forward,</i>	\$360 41	\$842,524 53

<i>Amount brought forward,</i>	.	.	\$360 41	\$842,524 53
Jas. Bartley, for groceries,	.	.	48 00	
J. O'Brien & Co. "	.	.	18 00	
Jos. Lamson, for poultry,	.	.	307 56	
Sturtevant Bros., "	.	.	35 60	
Patrick Rafferty, undertaker's services,	.	.	30 50	
Aid to sundry persons,	.	.	199 00	
For boots and shoes,	.	.	12 00	
For sundries,	.	.	36 00	
			<hr/>	1,030 07

State Aid.

Paid monthly pay-rolls—amount charged to				
the State,	.	.	.	3,779 00

Street Lights.

Paid Cambridge Gas Light Co., for Gas,	2,025 66	
Charlestown Gas Co., "	1,815 35	
Sundry bills for fluid,	56 70	
Sundry bills for glass,	90 86	
For lamp-posts,	659 03	
For repairs,	501 94	
For sundries,	200 88	
H. Blackwell, for lighting,	2,263 75	
	<hr/>	7,614 17

Sundry Persons.

Paid sums due to sundry persons as per re-				
port for 1872,	.	.	.	628 75

Support of Poor.

Paid Brine & Clark, for fuel,	.	.	1,444 01	
Sturtevant Bros. for provisions,	.	.	210 50	
John O'Brien & Co. for groceries,	.	.	1,235 00	
H. W. Crowell, " "	.	.	1,200 06	
Jas. Bartley, " "	.	.	529 13	
Carpenter Bros. " "	.	.	200 34	
J. B. Hambin, " "	.	.	235 08	
<i>Amount carried forward,</i>	.	.	\$5,054 12	\$855,576 52

<i>Amount brought forward,</i>	\$5,054 12	\$855,576 52
Paid H. Wellington & Co., for fuel,	596 72	
M. C. Parkhurst, for food for lodgers,	91 10	
Philip Eberle, for boots and shoes,	350 74	
Dyer Bros., " "	35 62	
City of Charlestown, support of paupers,	774 89	
City of Boston, " "	347 88	
City of Taunton, " "	79 22	
City of Cambridge, " "	53 50	
Town of Dedham, " "	22 00	
Town of Milford, " "	72 12	
Worcester Lunatic Hospital, for support of insane persons,	213 99	
Vermont Asylum for support of Henry Kinsley and Bridget Bradburn in 1872,	230 00	
in 1873 (to Oct. 1,)	273 00	
Patrick Rafferty, undertaker's services,	189 60	
H. B. Runey, " "	90 50	
W. L. Lockhart, " "	42 00	
Union Hall Co., for rent of room for over- seers,	157 50	
Sundries,	665 43	
Horace Chapin, salary as overseer,	300 00	
Ansel Lewis, " "	300 00	
Thos. Cunningham, " "	300 00	
		10,239,93

School House in Prospect Hill District.

Paid Robt. A. Vinal, for land,	\$2,911 60	
Mrs. L. M. Runey, " "	2,993 20	
Mrs. M. F. Burt, " "	3,375 00	
G. T. Burnham & Co., on account of contract to build,	20,000 00	
Lyman Underwood, on account for plans and specification,	250 00	
For earth for grading,	589 00	
For sundries,	36 24	
		30,155 04
<i>Amount carried forward,</i>		\$895,971 49

Amount brought forward, . . . \$895,971 49

Somerville Water Works.

Paid Patent Water and Gas Pipe Co., for

pipe, &c.,	\$2,967 05	
J. H. Reed & Co., for iron, &c., . .	4,291 13	
H. Wellington & Co., for cement, . .	1,751 10	
Wellington & Hunnewell, "	297 75	
Monthly pay-rolls for labor,	10,103 14	
Boston Machine Co., for gates and hydrants,	3,231 50	
Cook, Rymes & Co., for gate covers, labor, &c.,	592 74	
W. R. Bradford, for castings,	413 80	
A. F. Henshaw, for rolling machine, .	250 00	
For lumber,	192 29	
Union Water Meter Co., for press, drills, &c.,	221 20	
Sundry bills for material furnished, .	760 16	
A. L. Sanborn, for use of wagon, . . .	94 00	
David Scanlan, damage to horse, . . .	362 00	
F. Henderson, for horse,	250 00	
F. W. Hannaford, for harness, &c., . .	73 57	
Jas. Bartley, for grain, &c.,	98 22	
Ham & Cook, for hay,	52 31	
For sundries,	683 95	
R. A. Vinal, services,	275 00	
Benj. Almy, superintendent,	800 00	
	<hr/>	27,760 91

Water Distribution.

Paid interest coupons of Water Loan Bonds

No. 5 to April 1, 1873, Nos. 6, 8 9, 10, 11, 14, & 15, to Oct. 1, 1873, and Nos. 1, 2, 3, 7, 12, & 13, to Jan. 1, 1874,	17,100 00	
Repairs on hydrants,	96 92	
Monthly pay-rolls for labor,	328 00	

Amount carried forward, . . . \$17,524 92 \$923,732 40

<i>Amount brought forward,</i>	\$17,524 92	\$923,732 40
Paid Sundry repairs,	73 99	
Boston Machine Co., for material furnished,	134 60	
For sundries,	83 59	
J. T. & D. R. Leighton, damage to premises by water,	350 00	
	<hr/>	18,167 10

Water Services.

Paid Thos. Cunningham, (of Charlestown,) for iron pipe, &c.	1,826 70	
Union Water Meter Co., for stop-cocks, &c.,	1,878 20	
Boston Lead Co., for lead pipe,	328 52	
Sundry bills for material furnished,	120 41	
For lime and cement,	97 15	
For sundries,	197 76	
Monthly pay-roll for labor,	1,726 86	
	<hr/>	6,175 60

State of Massachusetts.

Paid State Treasurer, State Tax,	20,205 00
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County of Middlesex.

Paid County Treasurer, County Tax,	11,510 71
Total disbursements,	979,790 81

Cash,

Balance in Treasury,	109,505 19
	<hr/>
	<u>\$1,089,296 00</u>

Table F.

EXPENDITURES AND APPROPRIATIONS;

WITH

EXCESS AND DEFICIENCY ACCOUNT, AND UNEXPENDED BALANCES
OF ACCOUNTS.

ACCOUNTS PROVIDED FOR BY TAXATION.	Amounts Ex- pended.	Amounts Appropriated, &c.	Excess and Deficiency.	
			Dr.	Cr.
Fire Department	*26,961.67	*25,000.00	1,961.67	
Health Department	7,566.25	7,500.00	66.25	
Highways	*67,667.10	56,500.00	11,167.10	
Highways (Highland Av- enue Extension)	†1,009.00		1,009.00	
Interest	*38,505.01	37,000.00	1,505.01	
Miscellaneous	*10,482.79	20,000.00		6,911.80
Miscellaneous (Watering Streets)	*2,605.41			
Police	*22,517.56	21,000.00	1,517.56	
Salaries	15,079.33	14,900.00	179.33	
School Contingent	*23,771.44	20,000.00	3,771.44	
School Teacher's Salaries .	51,997.07	50,000.00	1,997.07	
Sewers	*†17,388.32	15,000.00	2,388.32	
Soldiers' Relief	1,030.07	1,000.00	30.07	
Street Lights	*7,097.51	8,000.00		902.49
Support of Poor	*9,822.00	8,000.00	1,822.00	
Water Distribution	*12,965.46	12,500.00	465.46	
Reduction of Funded Debt,	10,000.00	10,000.00		
Highways (Boston Ave.) .	2,100.00	3,500.00		
Highways (Otis Street) . .	1,400.00			
Public Library	*1,775.94	4,000.00		
Highways (Middlesex Ave.)	7,242.00	15,000.00		
School House in Prospect Hill District	20,000.00	20,000.00		
<i>Appropriated by City Council,</i>		348,900.00		
State of Mass., State Tax .	20,205.00	20,205.00		
County of Middlesex, Co. Tax	11,510.71	11,510.71		
<i>Aggregate amount provided for by Taxation</i>		380,615.71		
<i>Am't carried forward,</i>	390,699.64	380,615.71	27,880.28	7,814.29

TABLE F CONTINUED.

ACCOUNTS PROVIDED FOR BY LOANS.	Amounts Ex- pended.	Amounts Ap- propriated, &c.	Excess and Deficiency.	
			Dr.	Cr.
<i>Am't. brought forward,</i>	390,699.64	380,615.71	27,880.28	7,814.29
Highways (Highland Ave. Widening)	*27,189.02	27,000.00	189.02	
Hose House in Ward 4 . .	*6,034.32	6,000.00	34.32	
School House in Prospect Hill District	10,155.04	40,000.00		
Somerville Water Works .	*29,905.95	40,000.00		
Sewers (Milk St. Sewer) .	22,486.00	75,000.00		
Highways (Milk St. Widen- ing)	43,570.50	70,000.00		
Funded Debt	20,000.00	20,000.00		
<i>Total amount appropriated</i>		658,615.71		
Sidewalks	†18,571.17	‡66,837.89		
Police Court Department .		\$118.75		118.75
Available Assets		\$6,688.30		6,688.30
Excess and Deficiency . .		‡1,513.25		1,513.25
<i>Excess of Expenditures over Appropriations, (less un- expended balances)</i>		11,969.03		
<i>being debit balance of</i>				
Excess and Deficiency				11,969.03
			28,103.62	28,103.62
<i>To credit of</i>			Unexpended Balances.	
Public Library			2,224.06	
Highways (Middlesex Ave.)			7,758.00	
School House in Prospect Hill District			29,844.96	
Somerville Water Works .			10,094.05	
Sewers (Milk St. Sewer) .			52,514.00	
Highways (Milk St. Widen- ing)			26,429.50	
Sidewalks			48,266.72	
<i>Amounting to</i>			\$177,131.29	
<i>and being unexpended bal- ances of the above named accounts</i>	177,131.29			
	\$745,742.93	\$745,742.93		

* After deducting credits to the accounts.

† After deducting assessments credited to the account.

‡ Balance December 31, 1872

§ After deducting debits to the account.

ANNUAL REPORT

OF THE

MYSTIC WATER BOARD,

OF THE

CITY OF SOMERVILLE,

FOR THE YEAR 1873.

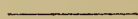
REPORT OF THE COMMITTEE ON WATER.



IN BOARD OF ALDERMEN, March 2, 1874.

Referred to Committee on Water, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*



IN COMMON COUNCIL, March 4, 1874.

Concurred in.

SOLOMON DAVIS, *Clerk.*

IN WATER BOARD,

SOMERVILLE, DEC. 31, 1874.

TO THE CITY COUNCIL :

Gentlemen,—In accordance with the requirement of the City Ordinance, the Somerville Mystic Water Board respectfully submit their Annual Report.

The distribution pipe, fire hydrants, and stop-gates used during the year, are of the same kind used in previous years.

The length of distribution pipe laid in the City, to December 31st, 1873, is 37 miles 4,572.4 feet; number of fire hydrants, 202; number of stop-gates, 250; of which 3 miles 761.5 feet of pipe; 18 fire hydrants, and 30 stop-gates, have been laid and set during the year 1873.

Water is now supplied to 2,261 dwelling-houses, 2,995 families, 57 shops and stores, 21 manufactories, 228 stables, and nearly all the Churches and Public buildings.

The Water fixtures used by water takers, are classified as follows: 2,863 Sinks; 376 Taps; 470 Bath-tubs; 575 Wash hand Basins; 514 Pan, 349 Self-acting, and 166 Hopper Water Closets; 86 Private Hydrants; 23 Urinals; 10 Fountains, and 375 Hand Hose.

The City Council of Somerville, having granted authority, the Water Board has made arrangements with the Trustees of Tufts College, to lay through their grounds; and with the Charlestown Mystic Water Board, to connect with the Reservoir; a new 12-inch main pipe

from Broadway, through the College grounds, to the Reservoir on Walnut Hill.

Although the expense of the new Main will be large, in proportion to its length, the Board are unanimous in the opinion, that the wants of the inhabitants, and the safety of property in the westerly section of the City, require its immediate construction, and have decided to lay the same as early as possible the coming season.

It having been for some time apparent, that the great length of distribution pipe laid in the streets of the City (more by 7 miles than is laid in either Charlestown, Chelsea, East Boston, or Everett), with the necessary fire hydrants, stop-gates, etc., require the constant care and supervision of a superintendent, it was voted by the Board to employ one.

Mr. Benjamin Almy was accordingly chosen as Superintendent. The work the past season has been under his supervision, and has been done in a faithful and satisfactory manner.

You are referred to the Report of the Superintendent, as follows, for the details of work done the past season, and also for inventory of stock and tools now on hand.

TO THE SOMERVILLE MYSTIC WATER BOARD.

Gentlemen:—

I respectfully submit my first report as Superintendent of the Somerville Water Works, comprising all work performed under my supervision from May 1st to Dec. 31st, 1873, including the manufacture of wrought Iron and cement lined distribution and service pipe.

STREET.	PIPE LAID IN 1873. Size of Pipe Laid.					GATES SET IN 1873.			Hydrants set in 1873.	Hydrant pipe.
	Feet. 10-In.	Feet. 8-In.	Feet. 6-In.	Feet. 4-In.	Feet. 3-In.	8-In.	6-In.	4-In.		
APPLETON				33.						
ARLINGTON								1		
BEACON			1376.5						2	22.7
BEACH				575.5				1		
CONWELL AVE..				527.				1		
COONEY				297.				1		
CEDAR							2		1	9.
CLYDE				818.				1	1	3.
ELM							1			
GILMAN				313.					1	8.5
GRAVES				450.				1		
GROVE				447.				1		
HOUGHTON				230.						
HAWKINS					246.					
HALL PLACE . . .				348.5				1		
HOWE				489.				1		
HINCKLEY			363.							
HIGHLAND AVE.	8					1				
IRVING			1251.				2		2	15.3
JACKSON				34.				1		
LINCOLN				225.				1	1	9.
LINE				1116.				1	1	5.
MORRISON				28.						
MURDOCK			671.5						1	4.
MEDFORD		1023				2	1		2	13.
MOORE				216.				1		
MILK				18.				1		
NEWBURY			1283.				1		2	15.
SCHOOL			150.							
SULLIVAN				443.						
SACRAMENTO . . .							1			
SUMMER			1017.				2		1	10.5
TYLER				226.				1		
TOWERS COURT				168.						
VINE			160.						1	7.5
WASHINGTON . .				19.						
WILLOW AVE. . .			2026.5				1		2	17.5
Total	8.	1023.	8303.5	7021.	246.	3	12	15	18	140.

Pipe relaid on account of change of Street Grade.

Highland	}	1498 feet 8 inch.		
Avenue,		42	"	6 "
"		21	"	4 "
Bond Street,		320	"	6 "
Cedar	}	155 feet 6 inch.		
on account of Sewer,				

Hydrants moved on account of change of grade.

Highland Avenue,	.	.	.	7	
Pearl Street,	.	.	.	1	
Cross	"	.	.	1	
Washington, cor. Mt. Vernon,				1	
Medford, cor. Broadway,	.	.	.	1	
Cragie Street,	.	.	.	2	
Beacon,	"	.	.	2	
Medford,	"	.	.	1	
Bond,	"	.	.	1	
Grove Street Hose House,	.	.	.	1	Total 18.

Sycamore Street Flush Hydrant, replaced by Post Hydrant; Hydrant at Anderson's Corner, Union Square, discontinued, and, also, one at corner of Milk and Medford Streets, where a 4-inch blow-off Gate has been connected with Sewer.

One Hydrant replaced corner of Cross and Tuft's Street, broken by team. Put new top on 6-inch Gate at Medford and Central Streets.

Materials on hand at cost.

HYDRANTS.

13 3 Nozzle,	.	.	.	.	.	741 00
14 2 "	.	.	.	.	.	756 00

2 old Flush Hydrants.

————— 1,497 00

GATES.

2 8-inch,	.	.	.	.	.	96 00
6 6 "	.	.	.	.	.	204 00
1 4 "	.	.	.	.	.	21 00
2 3 "	.	.	.	.	.	32 00
16 Gate Frames and Covers,	.	.	.	.	.	184 00

————— 537 00

Amount carried forward, . . . \$2,034 00

Amount brought forward, . . . \$2,034 00

Cast Iron Branches, not lined.

2 Double 6 on 8,	. . . .	11 00	
2 Single 6 " 8,	. . . .	9 50	
5 " 4 " 8,	. . . .	25 00	
4 Double 4 " 6,	. . . .	14 00	
1 Single 6 " 6,	. . . .	3 30	
5 " 4 " 6,	. . . .	16 25	
5 " 4 " 4,	. . . .	15 00	
5 Double 4 " 4,	. . . .	10 80	
		<hr/>	104 85

Cast Iron Branches, lined.

1 Single 6 on 6,	. . . .	4 50	
1 Double 6 " 6,	. . . .	4 00	
3 Single 4 " 6,	. . . .	12 00	
3 Double 4 " 6,	. . . .	12 50	
2 Single 4 " 8,	. . . .	11 00	
		<hr/>	44 00

Sheet Iron Branches, not lined.

1 Single 6 on 6,	. . . .	1 50	
2 Double 4 " 4,	. . . .	4 50	
2 Single 4 " 4,	. . . .	4 00	
		<hr/>	10 00

Sheet Iron Branches, lined.

2 Double 6 on 6,	. . . .	7 20	
9 " 4 " 6,	. . . .	21 60	
3 Single 6 " 6,	. . . .	5 40	
3 Double 4 " 4,	. . . .	7 20	
2 Single 3 " 3,	. . . .	1 86	
		<hr/>	43 26

Pipe lined.

10 in. 36 feet, at \$1.10 per foot,	39 60	
8 " 1344 " .82 "	1,102 08	
6 " 551 " .60 "	330 60	

Amount carried forward, . \$1,472 28 \$2,236 11

<i>Amount brought forward,</i>		\$1,472 28	\$2,236 11
4 in.	301 feet, at 40 cts. per foot,	120 40	
3 "	21 " 31 cts. "	6 51	
12 feet, 6 in. Cast Iron Pipe,		10 50	
		<hr/>	1,609 69

Pipe not lined.

8 in.	259 feet, at 61 cts. per foot,	157 99	
6 "	" " 45 cts. "	584 10	
4 "	" " 30 cts. "	273 00	
3 "	" " 23 cts. "	46 69	
		<hr/>	1,061 78

Iron on Hand.

For 8 inch pipe 1696 lbs. at $6\frac{1}{2}$ cts pr. lb.		\$110 24	
" 6	" 8564 " $6\frac{3}{4}$ "	578 07	
" 4	" 4472 " $6\frac{1}{2}$ "	290 68	
" 3	" 1034 " $6\frac{3}{4}$ "	69 70	
" 6 in. sleeves	834 " $6\frac{3}{4}$ "	56 29	
98 8	" " made up,	22 86	
10 10	" "	2 97	
		<hr/>	1,130 81

Sundry Materials.

807 feet Plank for Gate boxes at $3\frac{1}{2}$ cts.	\$28 24
480 " Joist " " $3\frac{1}{2}$ cts.	16 80
3 Bbls. Charcoal,	3 00
$4\frac{1}{2}$ Bbls. Cement,	10 57
2 Loads Sand,	2 60
50 lbs. White Lead,	5 25
1 Coil Winding Rope,	4 90
125 lbs. Rivets,	18 75
Oakum and Cloth,	2 00
Lumber,	5 00
160 feet Safety Fuse,	75

<i>Amount carried forward,</i>	\$97 86	\$6,038 39
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<i>Amount brought forward,</i>	\$97 86	\$6,038 39
12 lbs. Nails,	72	
Lard Oil,	2 00	
1½ Gallon Naphtha,	60	
Salt Hay \$5.00, English Hay and Grain \$7.00,	12 00	
1 Doz. Hydrant Valves and 5 rods,	5 00	
	<hr/>	\$118 18
Total value of Material on hand,		\$6,156 57

INVENTORY OF TOOLS FOR WATER WORKS.

1 12 inches Cone,	8 00	
1 10 " "	6 00	
2 8 " "	6 00	
1 6 " "	4 00	
2 4 " "	2 50	
1 3 " "	1 50	
Lining Stand and Fixtures,	20 00	
1 Punching Machine,	287 12	
1 Rolling " "	250 00	
1 8 inch Mandril,	34 35	
1 6 " "	21 80	
1 4 " "	13 20	
1 3 " "	18 00	
2 Mandril Frames,	20 00	
4 Sets rollers and two Iron Frames for round-		
ing pipe,	57 88	
4 Pair Pipe Clamps,	12 00	
5 " " Rings,	8 00	
3 Rivet Sets,	2 00	
3 Cold Chisels,	1 25	
5 Hammers,	4 00	
4 Mallets,	1 00	
4 Pair Snips,	15 25	
2 Oil Cans,	3 50	
13 Lanterns,	15 16	
1 Takle & Derrick,	10 00	
<i>Amount carried forward,</i>	<hr/>	\$822 51

<i>Amount brought forward,</i>		\$822 51
1 Hand Hose,	12 00	
1 Hydrant Hose,	5 00	
3 Saws,	3 50	
4 Drills,	10 00	
4 Striking Hammers,	14 00	
3 Iron Bars,	5 50	
1 Sand Screen,	1 25	
3 Gate Wrenches,	10 00	
4 Hydrant Wrenches,	4 00	
8 Mending Knives,	4 00	
13 Pails,	2 00	
3 Water Tubs,	2 50	
2 " Bbls.		
4 Mortar boxes and 2 Hods,	8 00	
5 Trowels,	6 00	
3 Tool boxes,	10 00	
7 Pair Rubber Mits,	11 63	
1 Wheel Barrow,	5 00	
15 Picks,	18 75	
10 Shovels,	10 00	
2 Wire Gauge and 1 Rule,	2 00	
2 Mending Horses,	4 00	
1 Kettle,	1 00	
1 Grindstone,	7 00	
1 Small bar for rounding Pipe,	1 00	
2 Tape measures,	1 50	
4 Pair Rubber Boots,	13 00	
1 Cutting bench,	4 00	
3 Rammers,	3 00	
1 Pump for Hydrant,	4 00	
1 Pair Tongs and Hook for Hydrants,	3 00	
1 Pipe Cradle,	2 50	
1 Axe and 1 Hatchet,	2 00	
Office Furniture,	25 25	
1 Horse, Wagon, harness and 2 Blankets,	300 00	
		516 38
Total,		\$1,338 89

REPAIRS ON THE WORKS.

Stopped 15 leaks on new work caused principally by dead ends.	
Repaired 5 Hydrant Connections,	
Repaired 18 leaks on old work, charged to Patent Water and Gas Pipe Co. as per contract.	\$184 27
Pieced 25 Gate Boxes.	

WATER SERVICE. MATERIALS ON HAND.

95 ft. 1½ in. pipe lined, at 28 cts. per ft.,	\$26 60
1138 " 1 " " " " 21 " " 238	98
273 " 1 " " not lined, at 17 cts. " 46	41
15 12 in. clamps,	45 00
9 10 " "	22 75
23 8 " "	63 25
23 6 " "	57 50
12 4 " "	30 00
13 3 " "	32 50
5 6 " Ludlow Gates,	30 00
5 4 " " "	30 00
12 1 in. Stop Cocks,	36 00
12 1½ " Brass Ts.	7 20
12 1½ " Nipples,	6 60
93 ⅝ " Stop Cocks,	209 25
93 1 " Brass Ts.	46 50
86 ⅝ " " Nipples,	34 40
3 1½ " Stop Cocks,	9 57
4 1 " " "	8 00
3 ½ " Spigot Stop Cocks,	2 70
4 1½ " Iron Ts.	1 36
12 1½ " Elbows,	2 97
16 1 " Ts.	3 12
15 1 " Elbows,	1 95
1 1 " Corporation Cock,	2 67
3 ¾ " Stop Cocks & Nipples,	6 00
3 Loose Solder Nipples,	2 00
<i>Amount carried forward,</i>	<i>\$1,003 28</i>

<i>Amount carried forward,</i>		\$1,003 28
11 1½ in. Plugs,	1 36	
64 1 " "	5 63	
26 ¾ " "	1 69	
10 ½ " "	52	
883 lbs. Lead Pipe,	83 24	
7 Solder Leads,	4 69	
1 coil small wire for Cards,	1 50	
23 lbs Solder,	5 06	
6 ½ in. Solder nipples,	} 2 60	
3 ¾ " Ts.		
3 ½ by ¾ in. Ts.		
2 ½ in. Ts.		
1 ¾ & 1—½ in Ts.		
6 ½ in. couplings,		
		106 29
		<hr/> \$1,109 57

INVENTORY OF TOOLS FOR WATER SERVICE.

1 ⅝ in. Tapping Machine,	20 00
1 1 " " "	12 80
1 2 " Die Plate, 1½ in. to 2 in.	22 50
1 1 " " "	} 8 25
1 1½ " Die	
3 1 " "	6 75
1 Pipe Cutter and Wheels,	10 50
1 Press for lining Pipe,	65 00
1 Bench Vise,	16 00
3 Pr. Pipe Tongs,	9 00
3 Monkey Wrenches,	3 00
1 Fire Pot,	3 00
3 Soldering Irons,	3 00
2 Round Files,	1 00
6 Flat "	2 25
7 Small "	1 00
1 Pair rubber mits,	1 75
2 Chisels and 1 Hammer,	1 50
1 Lining Bench,	5 00
3 Sets Washer Cutters,	2 25
2 Gate Wrenches,	2 00

\$196 55

No. of Services put in,	.	.	.	.	.	.	239
“ ft. of Service pipe laid,	.	.	.	.	.	.	9875
No. of leaks repaired on services,	.	.	.	.	.	.	4
No. of Services lowered,	.	.	.	.	.	.	26

SIZE OF SERVICE PIPE LAID.

1 in. Iron and Cement,	.	.	.	.	.	375 $\frac{1}{4}$
$\frac{3}{4}$ “ “ “ “	.	.	.	.	.	8821 $\frac{3}{4}$
$\frac{5}{8}$ “ Lead	.	.	.	.	.	382
$\frac{1}{2}$ “ “	.	.	.	.	.	296
Total in feet,	.	.	.	.	.	9875

Respectfully submitted,

BENJAMIN ALMY,

Superintendent.

STATEMENT
Showing Total Length of Distribution Water Pipes Laid in Somerville,
to Jan. 1, 1874.

	FEET. 12-inch.	FEET. 10-inch.	FEET. 8-inch.	FEET. 6-inch.	FEET. 4-inch.	FEET. 3-inch.	FEET. 2-inch.	Total in Miles and Feet.
								Miles. Feet.
Laid previous to 1873,	5,946.6	3,470.	24,526.6	72,035.2	69,633.	5,972.5	1,747.	34. 3,810.9
Laid in 1873,		8.	1,023.	8,303.5	7,021.	246.		3. 761.5
TOTAL,	5,946.6	3,478.	25,549.6	80,338.7	76,654.	6,218.5	1,747.	37. 4,572.4

The value of the works are as follows :

Value, December 31st, 1872,	245,686 76
Expended during the year 1873, including stock now on hand,	27,691 26
	<hr/> \$273,378 02

The pipe laid the present season (with the exception of that left over from last year), has been manufactured at the pipe shop belonging to the City ; the service connections are also made under the supervision of the Superintendent, it being, in the opinion of this Board, desirable that pipe owned by the City should be tapped, and repaired, by those only who are accountable to the Water Board for its being done in a careful and thorough manner.

The engineering has been under the charge of Mr. L. R. Horn, the City Engineer.

The wrought iron and cement pipe continues to give satisfaction; the leaks the past year being an average of less than one for every 7,000 feet of pipe laid in the streets of the City.

Since our last report, the City with which the contract for the supply of water to the inhabitants of Somerville was originally made, has, by annexation, become a part of the city of Boston ; this may, in time, cause important changes in the terms of said contract ; and it may be that before the time for our next Annual Report shall arrive, our own City will also become a part of Boston ; be that as it may, it is evident that however much the distribution of the Mystic Water may be extended by the city of Boston, Somerville, having within her limits so large a part of the Mains connected with the Mystic Water Works, can never be deprived of its full supply.

Each successive year demonstrates the wisdom of having introduced the Mystic Water, and that it was done none too soon for the welfare of the inhabitants of the City.

The Board would express their thanks to the Commissioners, Clerk, and Superintendent of the Charlestown Water Works, for the continued courtesý extended to them the past year.

C. E. RYMES,
CUTLER DOWNER,
THOMAS CUNNINGHAM,
HORACE HASKINS,
ROBERT A. VINAL.

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF SOMERVILLE,

FOR THE YEAR 1873.

CITY OF SOMERVILLE.

IN SCHOOL COMMITTEE, DEC. 31, 1873.

The Superintendent submitted his Annual Report, which was read and unanimously accepted.

It was voted that the Committee adopt the report now submitted by the Superintendent of the public schools, and present it to their fellow-citizens as the Report of the School Committee for the year 1873.

J. H. DAVIS, *Secretary*.

IN BOARD OF MAYOR AND ALDERMEN, MARCH 9, 1874.

Referred to the Committee on Printing with full powers, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

In Common Council, March 16, 1874.

Concurred in,

SOLOMON DAVIS, *Clerk*.

SCHOOL COMMITTEE.

1873.

HON. GEO. O BRASTOW, Mayor, Chairman, *ex officio*.

CHAS. G. POPE, President of Common Council, *ex officio*.

WARD ONE.

HENRY M. MOORE, . . Term expires Dec. 31, 1873.

SANFORD HANSCOMB, M. D., " " 1874.

S. S. WOODCOCK, " " 1875.

WARD TWO.

REV. J. W. HAMILTON, Term expires Dec. 31, 1873.

REV. GEO. W. DURELL, " " 1874.

EDWIN MILLS, " " 1875.

WARD THREE,

SAML. M. PENNOCK, . . Term expires Dec. 31, 1873.

HENRY F. SPENCER, " " 1874.

REUBEN WILLIS, M. D., " " 1875.

WARD FOUR.

PROF. BENJ. G. BROWN, Term expires Dec. 31, 1873.

HORACE CHAPIN, M. D., " " 1874.

RUSSELL H. CONWELL, " " 1875.

At the meeting of the Committee, held March 27th, the resignation of Rev. J. W. Hamilton was received and accepted. The vacancy thus occasioned, was filled in convention of the City Council and School Committee, May 5th, by the election of Oren S. Knapp.

ORGANIZATION.

Chairman.

HON. GEORGE O. BRASTOW.

Secretary and Superintendent.

JOSHUA H. DAVIS.

SUB-COMMITTEES.

- On the High School,* Messrs. DURELL, SPENCER, BROWN,
CHAPIN, HANSCOM.
- On Schools in Forster District, .* Messrs. SPENCER, WILLIS, PENNOCK.
- On Schools in Prescott District, .* Messrs. MOORE, HANSCOM, WOOD-
COCK, POPE.
- On Schools in Prospect Hill Dist.* Messrs. MILLS, HAMILTON, DURELL.
- On Schools in Morse District, .* Messrs. DURELL, CHAPIN.
- On Schools in Lincoln District, .* Messrs. BROWN, CONWELL.
- On Evening Drawing School, .* Messrs. SPENCER, WILLIS.
- On Examination of Teachers, .* Messrs. CHAPIN, DURELL, SPEN-
CER, POPE.
- On Books,* Messrs. MILLS, HAMILTON, CON-
WELL, PENNOCK.
- On Music,* Messrs. DURELL, WILLIS, BROWN,
MOORE.
- On School Furniture,* Messrs. POPE, WOODCOCK.
- On Heating Apparatus, . . .* Messrs. MILLS, MOORE.
- On School Supplies.* Messrs. SPENCER, HANSCOM.
- On Printing,* Messrs. POPE, MOORE.
- On Fuel,* Messrs. MILLS, WOODCOCK.
- On Finance,* Messrs. BROWN, SPENCER.
- On Repairs,* Messrs. MILLS, WOODCOCK, CHAPIN.

SCHOOL COMMITTEE.

1874.



Hon. WM. H. FURBER, Mayor, Chairman, *ex officio*.

WM. H. HODGKINS, President of the Common Council, *ex officio*.

WARD ONE.

SANFORD HANSCOM, M. D., Term expires, Dec. 31, 1874.

S. S. WOODCOCK, " " 1875.

HENRY M. MOORE, " " 1876.

WARD TWO.

REV. GEO. W. DURELL, Term expires, Dec. 31, 1874.

REV. CHAS. LOWE, " " 1875.

DANIEL E. CHASE, " " 1876.

WARD THREE.

HENRY F. SPENCER, . . Term expires, Dec. 31, 1874.

REUBEN WILLIS, M. D. " " 1875.

JAMES E. WHITNEY, " " 1876.

WARD FOUR.

HORACE CHAPIN, M. D., Term expires, Dec. 31, 1874.

CHAS. F. KING, " " 1875.

PROF. BENJ. G. BROWN, " " 1876.

ORGANIZATION.

Chairman.

HON. WILLIAM H. FURBER.

Secretary and Superintendent.

JOSHUA H. DAVIS.

SUB-COMMITTEES.

On the High School, Messrs. BROWN, DURELL, SPENCER,
CHAPIN, HANSCOM, LOWE.

On Schools in Winter Hill Dist. Messrs. SPENCER, WILLIS, WHITNEY,
HODGKINS.

On Schools in E. Somerville Dist. Messrs. HANSCOM, WOODCOCK,
MOORE.

On Schools in Prospect Hill Dist. Messrs. DURELL, CHASE, LOWE.

On Schools in Spring Hill Dist. Messrs. CHAPIN, KING, BROWN.

On Schools in W. Somerville Dist. Messrs. BROWN, KING, CHAPIN.

On Examination of Teachers, . Messrs. CHAPIN, DURELL, LOWE,
HANSCOM.

On Text Books, Messrs. BROWN, LOWE, WHITNEY,
MOORE.

On Music, Messrs. DURELL, WILLIS, KING.

On School Furniture, Messrs. CHASE, KING.

On Heating Apparatus, . . . Messrs. MOORE, LOWE.

On School Supplies, Messrs. SPENCER, HANSCOM.

On Drawing, Messrs. WILLIS, WOODCOCK, BROWN.

On Fuel, Messrs. CHASE, WHITNEY.

On Finance, Messrs. SPENCER, CHASE.

On Repairs, Messrs. WOODCOCK, CHAPIN, WILLIS.

SUPERINTENDENT'S REPORT.

TO THE SCHOOL COMMITTEE OF SOMERVILLE:—

GENTLEMEN — In conformity with your requirements, I respectfully submit the following as the Thirty-First Annual Report on the condition of the Public Schools of Somerville, and as the Second since its organization as a city.

In representing to our fellow-citizens the condition of the important interest intrusted to us, I shall endeavor to be as explicit as is consistent with the proper brevity of a school report. I wish to commend whatever is commendable in our schools, to specify their defects, to call attention to the causes which prevent their greater efficiency, and to suggest such changes as, in my judgment, will secure more desirable results.

The year just closing has been one of general prosperity. The usual changes have transpired in the schools, but nothing has occurred to affect, seriously, their harmony and success.

The presence of a contagious disease in our city, last winter, reduced the average attendance of pupils in the schools for a brief period, and excited serious apprehensions concerning them ; but the wise precautions of the Board of Health, and the great care exercised in retaining at their homes all children who had been exposed to the disease, prevented its presence in the schools.

It gives me pleasure to bear testimony to the general fidelity of the teachers, and to commend the pupils for their correct deportment and cheerful submission to school requirements.

An increase in our school population has created a necessity for the organization of eight new schools within the year.

Twenty-one teachers have been elected to fill vacancies caused by the resignation of other teachers and for the new schools.

The City Council, through their Committee on Public Property, have promptly supplied the material wants of the schools as they have occurred. The Cedar Street school-house has been enlarged : the building on Beech Street has been thoroughly repaired and fitted up for the accommodation of schools : two additional school-rooms have been formed in the Prescott school-house by placing a temporary partition in the centre of the exhibition hall : important improvements and repairs have been made in several school buildings : eight new schools have been supplied with furniture : the school-rooms have been renovated : the heating apparatus has been repaired : land has been purchased on Vinal Avenue and a building to contain ten school-rooms and an exhibition hall, for the accommodation of Prospect Hill grammar school, is in process of construction thereon.

The names, designating the five important sections of the city, have been applied to the several districts into which the schools are grouped for convenient supervision.

East Somerville District has been substituted for Prescott District.

Winter Hill	"	"	"	Forster	"
Spring Hill	"	"	"	Morse	"
West Somerville	"	"	"	Lincoln	"

Prospect Hill District retains its former name.

The afternoon sessions of the schools have been reduced to two hours.

To meet the urgent demand for additional school accommodations in East Somerville District, the City Council have been requested to make an appropriation of money sufficient to purchase land and to construct of brick a school-house of the capacity of Prescott school-house.

Attention is respectfully invited to the following summary of statistics which contains in a condensed form, much information pertaining to the several schools.

I. POPULATION AND VALUATION.

Population in 1870, United States census, . . .	14,693.
Estimated present population,	19,160.
Valuation of the city, May 1, 1873, . . .	\$29,643,100.00.
Increase for the year,	\$6,887,775.00.

II. DWELLING HOUSES.

Number of Dwelling Houses in May last, . . .	3,337.
Ward One,	1,110.
Ward Two,	936.
Ward Three,	683.
Ward Four,	608.
Increase for the year,	276.

III. SCHOOLS.

Number of schools,	67.
High,	1.
Grammar,	41.
Primary,	25.
Increase for the year,	8.
Increase in ten years,	37.

IV. SCHOOL HOUSES.

Number of school-houses,	17.
In process of construction,	1.
Number of school-rooms,	66.
Number of sittings,	3740.
Number of school-rooms unoccupied,	2.
Number of rooms rented and occupied by schools,	4.
Estimated value of school property,	\$371,400.00.
Probable cost of the building in process of construction, including land, heating apparatus, and furniture,	\$60,000.00.

V. TEACHERS.

Number of teachers in all the schools,	74.
Male teachers	8.
Female teachers,	66.
Number of teachers in the High School,	6.
Male teachers,	2.
Female teachers,	4.
Number of teachers in the Grammar Schools,	42.
Male teachers,	5.
Female teachers,	37.
Number of teachers in the Primary Schools,	25.
One teacher of vocal music.	

The following changes have been made in the corps of teachers within the year:

RESIGNED.

Luther B. Pillsbury, Esq., Principal of Prescott School.

Miss Sarah W. Fox, . . Teacher in the High School.

Miss Harriet A. Adams, " " Edgerly "

Miss Harriet A. Locke, " " Bennett "

Miss Alida C. Willis, " " Forster "

Miss Mary E. Eddy, " " Prescott "

Miss Rowena G. Delano, " " Edgerly "

Miss Ella F. Leland, " " Webster "

Miss Sue S. Stetson, " " Morse "

Miss Alice I. Bradford, " " " "

Miss Emma F. Merritt, " " Harvard "

Most of those who have resigned have been employed in our schools several years, and by their resignation we have lost the services of some of our best teachers.

TRANSFERRED.

Miss Abbie M. Bigelow, from the Edgerly school to the Prescott school.

Miss Beulah A. Hill, from the Brastow school to the Prescott school.

Miss Emeline A. Dane, from the Bennett school to the Harvard school.

Miss Mary A. Haley, from the Franklin School to the Beech Street school.

Miss Lilian E. Woodward, from the Lincoln school to the Franklin school.

ELECTED.

Gordon A. Southworth, Esq., Principal of Prescott School.				
Miss Mary A. Rice, . .	Teacher in the	"	"	
Miss Fannie R. Morse, .	"	"	"	"
Miss Julia A. Stetson, .	"	"	High	"
Miss Martha H. Pennock,	"	"	Forster	"
Miss Amelia Sears, . .	"	"	Edgerly	"
Miss Clara M. Bagley, .	"	"	"	"
Miss Anna L. Prescott, .	"	"	"	"
Miss Abbie C. Hunt, . .	"	"	Prosp't Hill	"
Miss Ada C. Bennett, . .	"	"	"	"
Miss Harriet J. Williams,	"	"	Brastow	"
Miss Georgiana Stevens,	"	"	Bennett	"
Miss Emeline A. Dane, .	"	"	"	"
Miss Mary B. Currier, .	"	"	"	"
Miss Annie L. Savage, .	"	"	Webster	"
Miss Helen W. Chapin, .	"	"	Morse	"
Miss Anna E. Sawyer, .	"	"	"	"
Miss Georgiana Cutter, .	"	"	Lincoln	"
Miss Louisa M. Wilde, .	"	"	Franklin,	"
Mrs. Jane E. Clark, . .	"	"	"	"
Mrs. Lizzie J. Conwell, .	"	"	Cedar St.	"

Mr. Pillsbury, during his brief connection with the Prescott school, exerted a most salutary moral influence upon his pupils and secured their confidence and esteem. He resigned in August, to accept a position in the Charlestown High School.

Mr. Southworth, the successor of Mr. Pillsbury, was elected Sept. 12, and entered upon his duties Sept. 29. At the time of his election he was Principal of the Centre Grammar School in Malden — a position he had filled with marked ability and success for eight years.

Miss Fox, an assistant in the High School, — a lady of rare attainments and capabilities — resigned at the close of the summer term to accept the position of first assistant in the Newton High School. She was elected a teacher in our school in February 1868, and served with great fidelity and to our entire acceptance. Her resignation was accepted with reluctance by the Committee.

Miss Stetson, the successor of Miss Fox, has had ten years of successful experience as first assistant in the High Schools of Plymouth and Peabody.

Of the one hundred and forty-one regularly elected teachers who have been employed in our public schools during the last ten years, sixty-five have resigned. Some of these have been allured to more lucrative employments; several have accepted more remunerative situations as teachers in other places; and many have entered upon other relations in life.

Of the seventy-four teachers in the schools at the present time, none of the gentlemen and only four of the ladies were teaching in Somerville ten years ago.

The vast importance of the interests committed to teachers, the brevity of their term of service, and the indispensable necessity of suitable preparation and actual experience to insure success, should receive due consideration in filling the vacancies which occur so frequently.

We cannot confer upon our schools a greater blessing than to place over them teachers who are well adapted by nature, amply furnished by culture, and thoroughly prepared by experience to perform successfully the important duties devolving upon them. In no other way can we make our influence so effective as by a judicious selection of those to whom we intrust the education of our children.

We may be lavish in our expenditures to provide for the material wants of the schools, and furnish with most commendable liberality every needful appliance; but if we fail to make a wise selection of suitable teachers, the inevitable consequence will be indifferent and comparatively profitless schools; much of the precious time of our pupils will be squandered, and their education will be correspondingly defective.

A TABULAR STATEMENT OF THE SEVERAL SCHOOLS AND TEACHERS.

District.	School.	Principal.	Assistants.
WINTER HILL.....	High	Geo. L. Baxter..... Walter F. Marston, Sub- master	Sarah L. Graves. Mary E. Davis. Annette E. Long. Julia A. Stetson.
	Forster.....	Geo. R. Bradford	Anna M. Snow. Frances M. Guptill. Edith C. Long. Helen E. Magoun. Agnes Woodberry. Martha H. Pennock. Ella F. Lears.
		Gordon A. Southworth.	Isabel S. Horne. Harriet N. Sands. Mary A. Rice. Anna A. Hall. Abbie M. Bigelow. Nancy W. Proctor. M. Ellen Eddy. Catherine T. Brown. Beulah A. Hill. Mary E. Hartshorn. Grace A. T. Wilson. Fannie R. Morse.
			Amelia Sears.
			Anna L. Prescott.
			Clara M. Bagley.
			Ella L. Burbank.
			Georgiana Cutter.
			P. Jenette Teele.
			Lizzie J. Conwell.
EAST SOMERVILLE ..	Prescott.....	Augusta M. Cowles	Frances L. Child. C. S. Plimpton. Ellen M. Gooding. Lydia L. Gordon. Clara Taylor. Lydia J. Page. Abbie C. Hunt. Augusta A. Roberts. Ada C. Bennett.
	Edgerly	Horace P. Makechnie ..	Harriet J. Williams. Adeline Sanderson. Georgiana Stevens. Mary B. Currier.
	Lincoln	Alice Simpson.....	Maria Miller. R. F. Woodberry. Lizzie J. Hamilton. Agnes M. Cox. Annie L. Savage.
	Cedar Street.	Samuel C. Hunt	Fannie W. Kaan..... Emeline A. Dane
	Prospect Hill .	Wm. B. Allen.....	Nellie P. Nichols. Pauline S. Downes. Helen W. Chapin. Anna E. Sawyer.
			Mary A. Haley. Lizzie C. Howe. Lilian E. Woodward. Louisa M. Wilde.
WEST SOMERVILLE..	Brastow	Sarah E. Pennock..... Helen Tincker.....	
	Bennett.....		
	Jackson	Lizzie W. Shelton	
	Webster	Ada L. Sanborn	
	Union	Fannie W. Kaan.....	
	Harvard	Emeline A. Dane	
	Morse	Wm. B. Allen.....	
	Beech Street..	Harriet H. Weld.....	
	Franklin.....	Jane E. Clark.....	
PROSPECT HILL			
SPRING HILL.....			

S. Henry O. Hadley, Teacher of Music.

GRAMMAR MASTERS, AND THEIR TERM OF SERVICE.

Name.	School.	From.	To.
Wm. E. Graves, . . .	Prospect Hill, . . .	April 23, 1842.	Oct. 12, 1846.
George Swan, . . .	Lower Winter Hill,	April 12, 1844.	Sept. 1, 1851.
Wm. E. Graves, . . .	Franklin,	Oct. 12, 1846.	Aug. 9, 1852.
Martin Draper, Jr., . .	Prospect Hill, . . .	Oct. 12, 1846.	May 17, 1852.
Robert Bickford, . . .	Prescott,	Sept. 10, 1851.	Mar. 15, 1852.
L. F. Cook,	"	April 5, 1852.	Nov. 7, 1853.
Chas. S. Lincoln, . .	Prospect Hill, . . .	May 17, 1852.	April, 1853.
Oren S. Knapp, . . .	" " . . .	May 2, 1853.	Feb. 8, 1864.
Geo. T. Littlefield, . .	Franklin,	Oct. 4, 1852.	Sept. 24, 1867.
Mr. Whittemore, . .	Prescott,	Nov. 7, 1853.	Aug. 1, 1854.
Daniel B. Wheeler, .	"	Sept. 4, 1854.	Aug. 1, 1859.
John Jameson, . . .	Forster,	Feb. 22, 1855.	Jan. 9, 1860.
John Wilson,	Prescott,	Aug. 1, 1859.	Feb. 24, 1872.
Edward W. Howe, . .	Forster,	Jan. 9, 1860.	Aug. 15, 1864.
Geo. R. Bradford, . .	Prospect Hill, . . .	Mar. 7, 1864.	May 14, 1866.
Chas. G. Pope, . . .	Forster,	Aug. 22, 1864.	Sept. 14, 1870.
Saml. C. Hunt, . . .	Prospect Hill, . . .	May 14, 1866.	
Horace P. Makechnie,	Lincoln,	Jan. 1, 1867.	
Geo. R. Bradford, . .	Franklin,	Sept. 24, 1867.	Feb. 21, 1868.
John D. Marston, . .	"	Mar. 4, 1868.	Nov. 4, 1869.
Wm. B. Allen,	Morse,	Nov. 8, 1869.	
Geo. R. Bradford, . .	Forster,	Sept. 14, 1870.	
Augustus Linfield, . .	Prescott,	Mar. 7, 1872.	May 5, 1872.
Luther B. Pillsbury . .	"	June 20, 1872.	June 28, 1873.
Gordon A. Southworth	"	Sept. 29, 1873.	

The School Committee, at their first meeting held March 21, 1842, voted to advertise for a Grammar Master for Prospect Hill School. Wm. E. Graves was selected from the sixteen applicants. Salary \$600.

VI. PUPILS.

Number of children in the city between the ages of five and fifteen years on the first day of May last as reported by the Assessors, 3352.

Ward One, 1170.

“ Two, 1074.

“ Three, 596.

“ Four, 512.

Increase for the year, 420.

Increase in ten years, 1464.

Whole number of pupils in May last, 3355.

Average whole number, 3071.

Number of pupils over 15 years of age, 226.

Number of pupils in December 1872, 3128.

Number of pupils in December 1873, 3381.

Boys, 1704.

Girls, 1678.

Number of pupils in December over 15 years of age, 220.

Number of pupils in the High School in December, . 186.

Boys, 88.

Girls, 98.

Number of pupils in the Grammar schools in Dec., 1716.

Boys, 865.

Girls, 851.

Number of pupils in the Primary schools in Dec., . 1479.

Boys, 729.

Girls, 750.

Number of pupils in each of the thirteen classes in December, was as follows :

High School, First Class,	.	.	.	.	.	26.
“ “ Second “	.	.	.	.	.	34.
“ “ Third “	.	.	.	.	.	44.
“ “ Fourth “	.	.	.	.	.	82.
Grammar Schools, First Class,	.	.	.	.	.	122.
“ “ Second “	.	.	.	.	.	187.
“ “ Third “	.	.	.	.	.	247.
“ “ Fourth “	.	.	.	.	.	306.
“ “ Fifth “	.	.	.	.	.	407.
“ “ Sixth “	.	.	.	.	.	447.
Primary “ First “	.	.	.	.	.	401.
“ “ Second “	.	.	.	.	.	340.
“ “ Third “	.	.	.	.	.	738.

Number of pupils in Prospect Hill District in Dec.,	1312.
“ “ “ East Somerville “ “	843.
“ “ “ Spring Hill “ “	479.
“ “ “ Winter “ “	330.
“ “ “ West Somerville “ “	231.

Pupils in the High School are not included in this enumeration.

TABLE SHOWING THE NUMBER OF PUPILS IN EACH CLASS OF THE
GRAMMAR AND PRIMARY SCHOOLS IN THE SEVERAL DISTRICTS
IN DECEMBER.

	Winter Hill.	East Somerville.	Spring Hill.	West Somerville.	Prospect Hill.
Grammar Schools, First Class.	20	53	27	8	14
“ “ Second “	27	80	26	11	43
“ “ Third “	45	80	38	12	72
“ “ Fourth “	43	78	46	15	124
“ “ Fifth “	37	109	77	21	163
“ “ Sixth “	45	112	73	39	178
Primary “ First “	42	94	60	27	196
“ “ Second “	23	85	49	31	157
“ “ Third “	43	152	83	67	365
	330	843	479	231	1312

TABLE SHOWING HOW MANY THOUSANDTHS OF ALL THE PUPILS
IN EACH DISTRICT WERE IN THE SEVERAL CLASSES IN DEC-
EMBER.

	Winter Hill.	East Somerville.	Spring Hill.	West Somerville.	Prospect Hill
Grammar Schools, First Class.	.063	.063	.056	.035	.011
“ “ Second “	.081	.095	.054	.048	.033
“ “ Third “	.136	.095	.079	.052	.055
“ “ Fourth “	.130	.093	.096	.065	.094
“ “ Fifth “	.112	.129	.161	.091	.125
“ “ Sixth “	.136	.133	.153	.168	.136
Primary “ First “	.128	.112	.125	.117	.149
“ “ Second “	.084	.100	.102	.134	.119
“ “ Third “	.130	.180	.174	.290	.278

Average whole number in all the schools for the year, 3216.5.

High School, 171.1

Grammar Schools, 1698.7

Primary Schools, 1346.7

Average attendance in all the schools for the year, 2972.7.

High School, 167.4.

Grammar Schools, 1600.2.

Primary Schools, 1205.1.

Per cent of attendance in all the schools for the year, 92.4.

High School, 97.8.

Grammar Schools, 94.2.

Primary Schools, 89.5.

Number of tardinesses in all the schools for the year, 8505.

High School, 209.

Grammar Schools, 4395.

Primary Schools, 3901.

Number of dismissals in all the schools for the year, 4761.

High School, 373.

Grammar Schools, 2987.

Primary Schools, 1401.

EXHIBIT OF THE SEVERAL SCHOOLS.

SCHOOLS.	TEACHERS.	Average whole Number.	Average Attendance	Per Cent of Attendance.	Number Tardy.	Number Dismissed.
High.....	Geo. L. Baxter.....	171.1	167.4	97.8	209	373
Forster.....	Geo. R. Bradford.....	41.5	40.4	97.4	39	57
".....	Anna M. Snow.....	40.4	38.7	95.8	23	47
".....	Frances M. Guptill.....	42.4	40.1	94.6	29	29
".....	Edith C. Long.....	39.6	37.2	93.9	61	66
".....	Helen E. Magcun.....	40.7	37.7	92.6	109	45
".....	Agnes Woodberry.....	47.5	43.7	92.0	63	47
† ".....	Martha H. Pennock.....	42.0	37.1	88.3	64	34
".....	Ella F. Lears.....	47.5	39.7	83.6	134	75
Prescott.....	G. A. Southworth.....	46.0	44.6	96.9	68	65
".....	Isabel S. Horne.....	35.3	33.7	95.4	61	56
".....	Harriet N. Sands.....	33.3	31.9	95.7	61	61
".....	Anna A. Hall.....	42.1	40.1	95.2	154	63
".....	Abbie M. Bigelow.....	42.7	40.1	93.9	1-9	186
".....	Nancy W. Procter.....	48.6	45.8	94.2	98	95
".....	M. Ellen Eddy.....	48.5	45.7	94.2	131	44
".....	Catherine T. Brown.....	51.2	47.7	93.1	125	77
† ".....	Beulah A. Hill.....	47.7	43.0	90.0	53	56
".....	Mary E. Hartshorn.....	53.3	51.8	88.8	159	78
".....	Grace A. T. Wilson.....	66.7	58.1	87.1	181	29
* ".....	Fannie R. Morse.....	60.5	53.8	88.9	35	24
Edgerly.....	Augusta M. Cowles.....	48.0	44.9	93.5	72	68
".....	Amelia Sears.....	40.0	36.1	90.2	256	104
".....	Anna L. Prescott.....	61.8	53.7	86.9	183	70
".....	Clara M. Bagley.....	54.1	46.2	85.4	149	66
Prospect Hill.....	Samuel C. Hunt.....	42.5	41.6	97.8	32	23
".....	Frances L. Child.....	35.9	34.9	97.2	23	57
".....	Caroline S. Plimpton.....	41.3	40.4	97.8	33	23
".....	Ellen M. Gooding.....	40.5	38.7	95.6	25	52
".....	Lydia L. Gordon.....	40.8	38.2	93.6	31	86
* ".....	Clara Taylor.....	47.0	44.2	94.0	17	7
".....	Lydia J. Page.....	42.7	40.3	94.3	60	51
".....	Abbie C. Hunt.....	54.9	51.9	94.5	134	78
".....	Augusta A. Roberts.....	34.6	77.6	91.7	357	153
‡ ".....	Ada C. Bennett.....	50.0	46.0	92.0	217	
Brastow.....	Sarah E. Pennock.....	48.1	46.1	95.8	114	84
".....	Harriet J. Williams.....	66.9	57.1	85.3	70	83
Bennett.....	Helen Tincker.....	48.7	45.8	94.0	103	95
".....	Adeline Sanderson.....	44.7	41.5	92.8	114	35
".....	Georgiana Stevens.....	54.4	48.1	88.4	155	68
".....	Mary B. Currier.....	56.9	49.5	87.0	214	46
Jackson.....	Lizzie W. Shelton.....	44.0	42.1	95.7	204	68
".....	Maria Miller.....	41.2	38.7	93.9	159	81
".....	Rebecca F. Woodberry.....	53.2	52.6	90.4	211	16
".....	Lizzie J. Hamilton.....	58.8	54.6	92.8	204	47
Webster.....	Ada L. Sanborn.....	37.9	36.1	95.2	189	59
".....	Agnes M. Cox.....	43.1	38.5	89.3	113	33
".....	Annie L. Savage.....	40.4	37.7	93.3	88	33
Union.....	Fannie W. Kaan.....	45.5	42.9	94.3	189	156
Harvard.....	Emeline A. Dane.....	57.6	53.5	92.9	143	32
Morse.....	Wm. B. Allen.....	37.6	34.7	92.3	124	133
".....	Nellie P. Nichols.....	32.6	30.6	93.9	134	69
".....	Pauline S. Downes.....	37.5	36.5	97.3	41	52
".....	Helen W. Chapin.....	49.6	45.8	92.3	206	123
".....	Anna E. Sawyer.....	38.0	33.4	87.9	249	131
Beech Street.....	Harriet H. Weld.....	46.3	42.2	91.1	197	65
* ".....	Mary A. Haley.....	60.0	53.7	89.5	85	15
Franklin.....	Jane E. Clark.....	42.5	39.6	93.1	135	112
".....	Lizzie C. Howe.....	42.0	38.9	92.6	222	56
".....	Lilian E. Woodward.....	46.3	42.8	90.2	211	48
‡ ".....	Louisa M. Wilde.....	48.0	45.0	93.7	154	61
Lincoln.....	H. P. Makechnie.....	19.9	19.0	95.4	87	108
".....	Ella L. Burbank.....	27.1	24.7	91.1	96	73
".....	Georgiana Cutter.....	37.1	34.1	91.8	196	161
".....	P. Jenette Teele.....	45.5	38.5	84.4	333	97
Cedar Street.....	Alice Simpson.....	47.4	41.4	87.3	70	55
* ".....	Lizzie J. Conwell.....	35.0	34.0	97.1	75	16
Total.....		3216.5	2972.7	92.4	8505	4761
High School.....		171.1	167.4	97.8	209	373
Grammar Schools.....		1698.7	1600.2	94.2	4395	2987
Primary Schools.....		1346.7	1205.1	89.5	3901	1401
Total.....		3216.5	2972.7	92.4	8505	4761

* Organized in September.

‡ Organized in May.

‡ Organized in April.

Taking the average attendance as a basis, we obtain from the foregoing table, the following items:

The High School has contained 5.63 per cent of all the pupils.

The Grammar Schools have contained 53.83 per cent of all the pupils.

The Primary Schools have contained 40.54 per cent of all the pupils.

Average number of tardinesses to each pupil in the several departments during the year:

High School,	. . .	1.25	or once	tardy	in	156	sessions.
Grammar Schools,	. .	2.74	"	"	"	142	"
Primary Schools,	. .	3.23	"	"	"	120	"

In nine of the Grammar Schools, the number of tardinesses for the year has been less than the number of pupils.

Average number of dismissals to each pupil in the several departments for the year:

High School,	. . . . .	2.18
Grammar Schools,	. . . . .	1.86
Primary Schools,	. . . . .	1.16

Per cent of attendance in all the schools, and in the several departments, for the last three years has been as follows:

	1871.	1872.	1873.
All of the schools,	93.4	92.8	92.4
High School,	97.7	96.9	97.8
Grammar Schools,	92.4	93.8	94.2
Primary Schools,	91.3	91.	89.5

Our summary shows that the number of different pupils connected with the schools in May last was 3355, including 226 over fifteen years of age, and that the school population was 3352. The average whole number for the month of May was 3071; the average attendance was 2835, and the per cent of attendance was 92.2, corresponding very nearly to the per cent of attendance for the entire year.

From these data we determine with a good degree of accuracy, that the average attendance of pupils in all the schools, between the ages of five and fifteen years, during the entire year, has been 84.5 per cent of the number of children in the city between those ages.

We would respectfully invite the attention of parents to the large number of tardinesses and dismissals during the past year, and earnestly solicit their co-operation in efforts to reduce it in the coming year.

Expenditures from January 1, 1873, to January 1, 1874.

Teachers' Salaries,	.	.	.	.	.	\$51,997	07
Superintendent's Salary,	.	.	.	.	.	2,000	00
Janitors' Salaries,	.	.	.	.	.	2,234	03
Fuel,	.	.	.	.	.	4,241	66
Sundry repairs,	.	.	.	.	.	5,085	86
Furniture,	.	.	.	.	.	1,082	70
Heating apparatus,	.	.	.	.	.	1,356	97
Rent,	.	.	.	.	.	1,049	78
Finishing ward-room in Prescott school-house,	.	.	.	.	.	650	00
Enlarging Cedar Street school-house,	.	.	.	.	.	1,100	00
Altering and repairing Beach Street school-house,	.	.	.	.	.	700	00
Grading,	.	.	.	.	.	945	50
Sidewalks,	.	.	.	.	.	1,492	11
Miscellaneous,	.	.	.	.	.	3,570	74
						\$77,506	42

PRIMARY SCHOOLS.

The increasing interest in the primary schools, the importance attached to them, and the earnest desire manifested to place over them teachers largely endowed with all requisite qualifications, must be regarded as matters for congratulation.

In December there were 1479 children in the twenty-five schools of this grade, or about two-fifths of all the pupils in the city, giving to each teacher an average of fifty-nine pupils.

There are but two regularly organized classes in the primary schools. Below these are the alphabet and primer classes, which constitute what, in our summary, is called the third class.

Children are admitted to the primary schools at all seasons of the year, consequently they are in various stages of advancement, at all times, in the alphabet and primer classes.

In the early part of the school year more than half of the children in these schools are below the second class, but as the year advances the first and second classes are increased by frequent promotions, and, usually, at the end of the year a majority of the pupils are in those classes.

It requires about three years, ordinarily, for children, who enter these schools at the age of five years, to complete the work assigned to them, and to be able to meet the requirements for promotion to the grammar schools, which are as follows :

1. An ability to read the primary reading books with a good degree of fluency. 2. To spell the words in the reading lessons and those contained in the first five lessons of Sargent's Spelling Book. 3. To count rapidly by twos, threes and fours to one hundred forward and backward : to be familiar with the Roman and Arabic numerals to 1000, and the tables of multiplication and division to 12×12 and $144 \div 12$. 4. To have a knowledge of the punctuation marks and the use of capitals as they occur in the reading lessons, and the abbreviations as found in Sargent's Spelling Book. 5. To write capitals and small letters and to combine them into words and short easy sentences ; and to draw plain figures upon the slate.

Teachers in this grade are required :

1. To give special attention to the sounds of letters, to distinctness of articulation and to correctness of pronunciation. 2. To intersperse much oral instruction upon matters of general interest and advantage to their pupils. 3. To correct all inelegant and improper expressions. 4. To cultivate in themselves and in their pupils a quiet demeanor and cheerfulness of countenance, tone and manner. 5. To encourage habits of order ; to cultivate good manners ; to inculcate moral duties and obligations.

Singing and physical exercises must occupy a portion of each session of the school.

No exercise in this grade should be continued more than fifteen minutes.

It should be the constant aim of teachers in each department of the schools to cultivate in their pupils the habit of close, undivided attention to the subject under consideration. This is best secured in the primary school, by short, brisk and spirited recitations in which the mind of every pupil is kept upon the alert. Listlessness should be scrupulously guarded against.

We can hardly over-rate the importance of this department of our schools. The wise master-builder looks well to the foundation upon which he is to rear his super-

structure. It is in the primary school that the foundation of an education is laid. The child here receives an impulse, a direction for good or for evil, that will influence, materially, his entire future course. If, therefore, imperfect teaching must be tolerated in any department, let it not be in this, where every pupil is so keenly sensitive to the influences about him.

Teachers of primary schools should have a natural fondness for children, should be in sympathy with youthful hearts, should have tact to manage and ability to control without recourse to the rod, should have patience that never tires, quick sensibilities, cheerfulness, and a deep sympathetic nature. Add to these, knowledge, experience, enthusiasm, and success is sure. To such teachers the primary school is a delightful place for labor.

GRAMMAR SCHOOLS.

Five new schools, of this grade, have been organized within the year. At the present time there are forty-one grammar schools, which contained, in December, 1716 pupils or 50.77 per cent of all the pupils in the several schools at that time.

It requires a year for pupils of average ability and industry to accomplish the work assigned to each one of the six classes in the grammar schools; and the requirements for admission to the High School are based upon the expected attainments of pupils when they graduate at the grammar schools.

These requirements are as follows:

1. An ability to read, write, spell and define well.
2. A good knowledge of English Grammar.
3. A general knowledge of the History of the United States.
4. A thorough acquaintance with Warren's Common School Geography or its equivalent.
5. A thorough acquaintance with Walton's Intellectual and Written Arithmetic.

The schools of this grade are required to observe the following General Directions.

Reading. — Give special attention to correctness of pronunciation, and distinctness of articulation — avoiding that which is measured and mechanical ; to fluency of utterance ; to accent, emphasis and inflection. Read all the pieces within the prescribed limits.

Spelling. — Spell and define the words in the columns of the Reader ; write, daily, sentences from the reading lessons from dictation ; spell all new words in every lesson. The lessons in the spelling book should be read by the class when they are given out for study.

Writing and Drawing. — There must be, at least, four lessons in writing and two in drawing every week ; each lesson to occupy thirty minutes, exclusive of time required for preparation.

Insist on correct position and the proper manner of holding the pen. Much attention should be given to movement exercises.

Composition. — Once in two weeks, by all the classes, on some topic embraced in oral instruction, and adapted to the age and capacity of pupils. In the first class, business papers, such as letters, orders, bills of purchase, receipts, promissory notes, drafts, advertisements, invitations, etc. Quackenbos's First Lessons in Composition to be used as a text-book.

Declamation. — Once each month, by the boys in the first and second classes.

Vocal Music shall form a part of the daily exercises in all the schools ; and a lesson of one hour shall be given each week by a teacher specially employed for the purpose.

It is recommended that, in the arrangement of the studies and recitations, those which most severely task the pupil, be assigned to the forenoon.

At the close of the school year, the following named pupils, graduates from the grammar schools, passed the required examination for admission to the High School:

FROM PRESCOTT SCHOOL.

IDA CUTTER.	CHAS. H. TENNEY.
MINNIE CUTTER.	SIMEON N. METCALF.
FANNIE G. TOMPKINS.	CHESTER D. PARSONS.
NELLIE C. POLLARD.	FRANK H. BOWERS.
FRANCES M. KIRKPATRICK.	ORVILLE T. CURTIS.
MARIA B. MONROE.	CHAS. M. HEMENWAY.
CARRIE E. SAYLES.	GEO. A. WEST.
EMMA F. OLIVER.	ARTHUR H. HOUSTON.
MARY C. BATCHELDER.	WALTER R. CROSBY.
ALICE R. FITZ.	HERBERT W. PAGE.
EVA H. MORAN.	GEO. S. MORTON.
S. FRANCES BARNARD.	WM. M. MULLAY.

WM. T. PATTEN.

Average age, 14 years, 8 months.

MORSE SCHOOL.

EMMA W. KAAH.	LOUIS B. CARR.
MINNIE W. MORSE.	ALBERT L. HASKELL.
JOHN F. BACON.	THOMAS H. TALBOT.
LULU E. RYMES.	HENRY D. HOWIE.
AGNES SHUTE.	HENRY D. BULLARD.
CARRIE S. KEATING.	JOHN E. KELLY.
MARY E. FITZHENRY.	FRANK H. MORSE.
MARY E. LAREY.	WILLIAM O. FREEMAN.
NETTIE S. PARK.	JOHN F. DAVIDSON.
ADA E. TOWER.	WILLIAM L. MCGARR.
NOEY F. BYARD.	CHARLES P. LINCOLN.

Average age, 14 years 9 months.

FORSTER SCHOOL.

ELLA R. MAYNARD.	WILLIAM H. COTTER.
LIZZIE M. MOREHOUSE.	ROBERT W. BELKNAP.
ALICE E. FURBER.	WILBUR D. WASHBURN.
GEORGETTE K. DOW.	EMERY H. AVERILL.
GEORGIANA T. LEARS.	FRED NORCROSS.
HATTIE ABBOTT.	AUGUSTUS W. RING.
LILLIE F. GARVIN.	FRED L. KEYES.
HATTIE MORRIS.	JOHN M. HOWARD.
ALMA L. BACON.	J. ALBERT HUTCHINSON.

Average age, 15 years 1 month.

PROSPECT HILL SCHOOL.

MARY E. BERRY.	MATTIE A. VINAL.
LOUISE STURTEVANT.	NELLIE E. HARRINGTON.
CARRIE W. HAYWARD.	EMMA TAYLOR.
NELLIE TUTTLE.	PHILIP ABERLE.
LILLETTE WHITTEN.	HORACE LOTHROP.
NELLIE A. BRADSHAW.	WILLIAM H. CLEAREY.

Average age, 15 years.

LINCOLN SCHOOL.

MARY E. PIERCE.	CARRIE M. SNELLING.
ALICE BYRNES.	FRED A. FISKE.
JULIA A. BYRNES.	FRED T. KINGMAN.
NELLIE E. LACOUNT.	CHARLES G. LEONARD.
LILLIE E. CLANCEY.	WALTER A. DOW.

Average age, 15 years 6 months.

RECAPITULATION.

Prescott School,	25
Morse "	22
Forster "	18
Prospect Hill "	12
Lincoln "	10
Total,	87

Average age 14 years, 11 months.

Ninety-seven per cent of the graduates from the Grammar Schools applied for admission to the High School, and ninety-two per cent of the applicants passed the required examination.

HIGH SCHOOL.

Whole number of different pupils during the year, .	261.
Largest number present at one time,	190.
Number admitted during the year,	85.
Number graduated,	28.
Whole number at the present time,	186.
Number in course preparatory for College,	22.
Number at the present time over 15 years of age, .	141.

The class that graduated in June last contained 59 scholars on entering the school in September 1869.

No. of 1st Class on entering the school, 65, present No.	26.
“ 2d “ “ “ 59, “	34.
“ 3d “ “ “ 74, “	44.
“ 4th “ “ “ 83, “	82.
Number of the 1st Class January 1, 1873,	33.
“ “ 2d “ “ “	50.
“ “ 3d “ “ “	69.

It has been our constant endeavor to render this school of the highest practical utility to the community, by making it accessible to the largest number of pupils from the grammar schools; by maintaining a high standard of scholarship; and by giving to the several courses of study a range sufficiently broad to meet the wants of every pupil whatever may be his anticipated pursuit.

The manner in which our graduates enter the colleges of their choice, and the position they sustain with students from other preparatory schools of the highest order, is good evidence that a high standard of scholarship is maintained in the school. That the range of studies is sufficiently broad to meet the wants of those pupils who are looking forward to some industrial pursuit, as well as of those who intend to pursue a college course, is evident from the very small number of persons in the city who patronize any other school. That the school has strong attractions is evident from the earnest desire manifested by the graduates from the several grammar schools to enter it, and from the constantly increasing length of time which they remain as members of it.

Could pupils bring to the school higher qualifications and greater maturity, they would pursue the prescribed course of study with greater ease, would take a broader view of the subjects investigated, and derive much more advantage from the instruction imparted to them. But this desirable result can be secured only by elevating the character of the preparatory schools, by placing over every primary and grammar school a teacher of superior professional skill and enthusiasm.

Diplomas were first awarded in 1862. Since that time 188 persons have graduated. Males, 57. Females, 131.

Number graduated in 1862,		6.	Number graduated in 1868,		16.
"	"	1863, 6.	"	"	1869, 25.
"	"	1864, 11.	"	"	1870, 16.
"	"	1865, 10.	"	"	1871, 33.
"	"	1866, 9.	"	"	1872, 21.
"	"	1867, 7.	"	"	1873, 28.

NAMES OF GRADUATES WHO FITTED FOR COLLEGE; THE COLLEGE
ENTERED; AND THE TIME OF ENTRANCE.

Name.	College.	Time.
Geo. C. Brackett	Harvard	1860.
*Edward E. Edgerly	Tufts	1863.
Geo. S. Littlefield	Harvard	1866.
Edward C. Booth	"	1867.
Michael J. Canavan	"	"
Theophilus G. Smith	"	"
Wm. E. Story	"	"
† David Heald, Jr.	"	1868.
Chas. K. Cutter	Tufts	"
Frank M. Hawes	"	"
Chas. A. Russell	"	"
Roswell C. Downer	Harvard	1869.
Frederic W. Story	"	"
Jas. L. Tyler, Jr.	"	"
Wm. S. Marston	"	1870.
Louis P. Davis	Tufts	"
Edward P. Elliott	Harvard	1871.
Frederic W. Stone	"	"
Arthur S. Eddy	"	1872.
Nathan A. Taylor	"	"
Saml. N. Cutler	"	1873.
Edwin N. Lovering	"	"
John L. Nichols	"	"
Caleb B. Underhill	"	"

* Died, May, 1870.

† Died, Sept., 1873.

TWENTY-FIRST ANNUAL EXHIBITION OF THE HIGH SCHOOL,

MONDAY, JUNE 30th, 1873.

ORDER OF EXERCISES.

MUSIC. Edmand's Band.

1. **SINGING.**—Chorus, "In light tripping measure," (with Orchestra).
"Cinderella."
Chorus, "Come with the Gipsy bride," (with Orchestra).
"Bohemian Girl."
2. **SALUTATORY IN LATIN.**
Samuel Newton Cutler.
3. **READING.**—"Was he hen-pecked?"
Phoebe Cary.
Mary Louisa Sanderson.
4. **ESSAYS.**—Patchwork and Mending, Jennie Holland.
Song, Ellen Frances Hardy.
5. **READING.**—"The Pilot's Story. Atlantic.
Abbie Mead Moore.
6. **SINGING.**—Chorus, "Gaily our boat, &c." Gould.
Duet, "Voices of the Night." Glover.
Semi-Chorus, "The Nightingale." Mendelssohn.
7. **Translation into English, "Robespierre to the French."** (Original.)
Joseph Neal Damon.
8. **READING.**—"The Jackdaw of Rheims." Barham.
Annie Kate Paul.
9. **Translation into Greek from "Hamlet."** (Original)
Edwin Nathaniel Lovering, John Loring Nichols, Caleb Brooks Underhill.
10. **READING.**—The National Anthems received in response to an advertised call,
with criticisms by *Orpheus C. Kerr.*
Emma Susan Dow.
11. **SINGING.**—Song, "Star of Love." Wallace.
Chorus, "May-day." Neithart.
Chorus, "Back from his morning chase," (with Orchestra.)
"Cinderella."
12. **READING.**—"The Piano Mania." Jennie Fune.
Emily Anne Russell.
13. **ESSAYS.**—Travels in Greece. Sarah Bunker Freeman
Out-door Studies. Mary Anna Gross.
Omens. Ada Florence Hughes.

MUSIC.

RECESS.

14. SINGING.—Cavatina and Chorus, "O Italia," (with Orchestra.)
"Anna Bolena."
15. READING.—"Our Country Saved." Lowell.
Anna Parker Vinal.
16. FROM "LE BOURGEOIS GENTILHOMME." Moliere.
Adeline Cooper Smith. Anna Adella Tower.
17. READING.—"Marguerite." Whittier.
Ella Florence Pratt.
18. ORIGINALS.
19. READING.—"The Maiden Martyr." Anon.
Charlotte Isabelle Houghton.
20. SINGING.—Chorus, "Dream on." German.
Quartette, "Blue Danube," (with Orchestra) . . . Strauss.
21. READING.—"From the Heart of Mid-Lothain." . . . Scott.
Almira Hollander.
22. POEM.—(Original).
Isaac Marion Story.
23. READING.—"Contentment." Holmes.
Clara Almira Richards.
24. FROM "HENRY VIII."
Nora Agnes O'Leary.
25. ESSAYS—A Tea Party. Grace Caroline Brown.
Highways and Byways. Mary Elizabeth Wiggin.
26. FROM "THE TALE OF A TRUMPET." Hood.
Part 1.—Frank Winchester Downer.
Part 2.—Samuel Newton Cutler.
27. VALEDICTORY.
Margaret Dardana Barter.
28. Presentation of Diplomas by the Chairman of the School Committee.
MAYOR GEORGE O. BRALTOW.
29. PARTING HYMN.

MEMBERS OF THE GRADUATING CLASS.

MARGARET DARDANA BARTER,
GRACE CAROLINE BROWN,
EMMA SUSAN DOW,
SARAH BUNKER FREEMAN,
MARY ANNA GROSS,
ELLEN FRANCES HARDY,
JENNIE HOLLAND,
ALMIRA HOLLANDER,
CHARLOTTE ISABELLE HOUGHTON,
ADA FLORENCE HUGHES,
ABBIE MEAD MOORE,
NORA AGNES O'LEARY,
ANNIE KATE PAUL,
ELLA FLORENCE PRATT,

CLARA ALMIRA RICHARDS,
EMILY ANNE RUSSELL,
MARY LOUISA SANDERSON,
ADELINE COOPER SMITH,
ANNA ADELLA TOWER,
ANNA PARKER VINAL,
MARY ELIZABETH WIGGIN,
SAMUEL NEWTON CUTLER,
JOSEPH NEAL DAMON,
FRANK WINCHESTER DOWNER,
EDWIN NATHANIEL LOVERING,
JOHN LORING NICHOLS,
ISAAC MARION STORY,
CALEB BROOKS UNDERHILL.

DRAWING.

A school for instruction in Mechanical and Free Hand Drawing under the direction of Prof. Lucas Baker, was sustained during the winter. The whole number of names registered was sixty-two, including several young ladies.

On account of the extremely inclement weather on several evenings when the school was in session, the average attendance was reduced to thirty-five. But for this disadvantage, the result of the school would have been highly satisfactory.

Previous to the close of the school year, the upper classes in the grammar schools were instructed in drawing by the Misses Woodward.

At their meeting held September 12th, the Committee voted to employ Prof. Baker to give instruction in drawing to all the teachers in the grammar and primary schools, one hour each Saturday, from the middle of September to the middle of December, and during the months of April, May and June. They voted also, that the school sessions, on the days specified for giving instruction to the teachers, shall be two hours each without intermission.

For a temporary arrangement to meet the immediate wants of the schools, this seemed the wisest that could be adopted. Instruction in drawing is now given, in all the schools, by the regular teachers, and the results are satisfactory.

The frequent changes in our corps of teachers, will render the requirement indispensable, that all applicants for situations as teachers, must be able to give instruction in drawing to the extent that it is pursued in our public schools.

MUSIC.

At the beginning of the present school year, arrangements were made with Mr. Hadley, the teacher of music, to give instruction in the several schools during the school hours of each forenoon.

Under the present arrangement all the schools in each department receive instruction in music one hour each week. The regular teacher of music gives a lesson of one hour to the High School and the two upper classes of the Grammar Schools. The remainder of his time is divided as equally as possible among the other schools, and his instruction in those schools is supplemented by that of the regular teachers.

The results of the present mode of instruction more than realizes our expectations. The interest and progress of pupils—even the youngest—in this important branch of instruction, is exceedingly gratifying.

TRUANCY.

One hundred and nineteen cases of truancy have been reported by all the teachers, during the year, sixty-nine of which were in the primary schools.

We wish to express our thanks to the Truant Officers for their vigilance in preventing truancy, and for the prompt and gentlemanly assistance rendered to the teachers whenever it has been solicited.

COURSE OF STUDY.

In the preparation of our Course of Study, we endeavored to adapt the work to be accomplished to the average capacity of the pupils composing the schools: presuming that they would be punctual in their attendance at school, faithful in their studies, and would receive the instruction of competent teachers.

In the apportionment of the work, we labored to bring the different classes and departments so nearly together, that pupils would pass from one class to another and from one department to another with the same ease that they pass from the lessons of any day to those of the next succeeding day.

We would not have our schools with their thirteen classes resemble a terraced garden, each independent section of which can be reached only by an abrupt ascent, but rather like a plain rising with uniform grade, so that the advance of pupils in their studies, from their introduction to the primary school to their graduation at the High School, may be easy and gradual, keeping pace with the natural growth and development of their mental faculties.

At present we are unable to discover wherein our course of study—so far as it applies to the primary and grammar schools—can be much improved. It must be apparent to all, however, that in school work, as in the operations of the various departments of industry, successful results, in carrying out any programme, can be secured only by a rigid compliance with the requisite conditions of success.

We will enumerate, very briefly, some of these conditions.

MATERIAL WANTS.—The material wants of the schools must be well supplied. The school-rooms must be pleasant and attractive, well lighted and amply supplied with pure air of suitable temperature, so that pupils—free from all physical discomfort—may pursue their studies under the most favorable circumstances.

CO-OPERATION OF PARENTS.—Parents must cordially co-operate with those to whom they commit the education of their children. They must promptly furnish all needful appliances for the successful prosecution of school work, must labor assiduously to inspire their children with confidence in their school and with affection for their teachers. They must see that their children are constant and punctual in their attendance at school; for nothing so effectually counteracts the efforts of teachers and diminishes the effectiveness of the schools as the want of regular and punctual attendance. We cannot awaken and render permanent the interest of pupils in their respective studies, unless they are present at every recitation, master every difficulty as it presents itself in their course, and comprehend each principle in the order in which it occurs.

EFFORTS OF PUPILS.—Pupils by constant attendance, by patient study and close mental application, must faithfully perform their appointed tasks as they daily occur, and must ever yield a cheerful, prompt obedience to school requirements.

COMPETENT TEACHERS.—Teachers should be wise upon all subjects they are required to teach, and industrious in

learning the best methods of imparting to others the treasures they have garnered. But the mere act of imparting knowledge is not the most important part of their work. They must be educators as well as instructors.

They must not only impart knowledge to their pupils, but teach them also the art of acquiring it by their own efforts. Since the mind grows in breadth and power by the exercise of its own activities, they must assist their pupils by teaching them self-reliance and the best methods for the development of their own latent energies.

As he is the greatest benefactor who assists others by conferring upon them the ability to minister to their own necessities, so he is the most successful teacher who educates his pupils in a manner to render them most independent of his aid.

Too much assistance from without, removes the necessity for exertion and thereby tends to enervate: whereas the aim should ever be to invigorate by cultivating self-reliance and independence. Hence there may be too much teaching. Oral instruction may be in excess. With little personal effort, pupils can listen to the instruction of their teacher as to the "song of one who hath a pleasant voice," and derive but little practical benefit therefrom.

A spirit of self-reliance is the very basis of all genuine development. Labor, by a providential arrangement, is an essential condition of real prosperity in any direction. Sir Walter Scott in writing to his son, said, "I cannot too much impress upon your mind, that *labor* is the condition which God has imposed on us in every station in life. As for knowledge, it can no more be planted in the human mind without labor than a field of wheat can be produced without the previous use of the plough."

A man of wealth deploring the inefficiency of his son, affirmed that it would have been vastly better for that son could he have grown to manhood without the expectation of a dollar, except as the result of his own industry. Inherited wealth, by removing from its possessor the stimulus to exertion, frequently renders him a dependent upon his fortune: whereas the man who has built up an estate by the exercise of his own energies, has — by that very exercise — developed capabilities which make him independent of his wealth.

Pupils, therefore, should never be mere passive receptacles into which teachers are to pour information, but active, earnest students. They must *search* for the hidden treasures. They should dig the wells from which are to issue the springs of knowledge.

PROPER USE OF TEXT-BOOKS.—The teacher's knowledge should extend beyond the narrow limits of the elementary books of the schools, and his familiarity with the subjects taught should enable him to dispense with the text-book while conducting a recitation. No amount of knowledge, however, can supersede the necessity for a daily preparation for school work, including each recitation. Such preparation gives point and directness to the instruction imparted, and awakens an enthusiasm in the mind of the teacher which is soon communicated to his pupils. The fact does not escape observation, that our best teachers are the most faithful in this regard.

In consequence of the rigid adherence to text-books by many teachers, some educators discard them and substitute therefor the instruction of teachers. We would avoid both of these extremes, and pursue the medium course.

A very large proportion of our knowledge of the thoughts of men and of past events must be gained from books. It must be regarded of great importance to pupils, therefore, that they be constantly and carefully instructed in the best method of gaining knowledge therefrom, through their entire course. As a means of education we can hardly over-rate the importance of having ever at hand for study, reference and review, carefully prepared text-books in which the subjects to be investigated are systematically arranged, and the definitions, rules and principles are clearly stated and illustrated in concise and appropriate language.

Oral instruction judiciously applied is invaluable to supplement and emphasize the written text, and to enliven the recitation; but without the check and frequent reminder of the text-book, it is liable—like extempore speech—to degenerate into looseness of style and inaccuracy of statement; and the impressions which pupils receive from such instruction are usually vague and imperfect, and are soon effaced.

The *extent* to which text-books shall be used, must be left largely to the judgment of teachers. By a careful preparation for each day's duties, they should qualify themselves to make a judicious selection of what is most important for their pupils to know,—what they should carefully treasure up in the memory and what demands only a cursory perusal,—that they may not employ their time and exhaust their energies upon matters of secondary importance, but, under proper guidance, concentrate them upon those which are essential and fundamental.

It is in just this particular that many teachers are liable to failure, and to it we respectfully invite their special attention.

To measure accurately the capacity of children at different stages of their advancement, and to discriminate wisely in selecting and assigning their work, are the most essential and difficult lessons for teachers to learn. Many teachers, and especially young and inexperienced teachers, over-estimate the capacity of children: consequently with the kindest and best intentions they are liable to make unreasonable demands upon them, and to assign lessons disproportionate to their ability. Through a lack of proper discrimination in the selection of lessons, energies are exhausted by comparatively useless labor upon matters of minor importance, which should be directed to those of more vital moment.

If pupils are injured by study, are over-worked in fulfilling the requirements and in meeting the demands of our system of instruction; or if pupils of average ability and industry fail to accomplish their work in the time prescribed, the fault, we think, is not in the system or its rightly interpreted requirements; but mainly in its misapplication consequent upon the deficiencies specified.

MEMORIZING.—The memory ranks high in value among our intellectual endowments. It is a rich treasury to those who have industriously gathered into it the accumulations of years. Like every other faculty of the mind it is strengthened by judicious use. The more we commit to it, and the greater our drafts upon it, the more promptly does it respond to our demands. It retains with marvelous tenacity whatever is carefully committed to it in childhood and youth.

Rules, statements of established principles, definitions of technical terms, and whatever may be regarded as the foundation and framework of our knowledge of language and the sciences, should be memorized with great care,—

usually, in the precise phraseology of the text-books, — and, by frequent reviews, indelibly stamped upon the memory.

In such recitations, however, the teacher should constantly address himself to the understanding of his pupils and exercise great care in guarding against a mere repetition of words without wisdom.

The minds of pupils should always be disabused of the idea that they study to recite merely. They should be made to understand that the recitation is only a means to a much more important end : that they study to *know* and recite in order that the teacher may determine how well they have succeeded in comprehending the subject of their lesson, and how faithfully they have committed their knowledge to memory ; and, by his illustrations and explanations may improve their understanding and render more permanent their impressions.

Pupils may not always *fully* comprehend the language in which rules and principles are stated, at the time they commit it to memory ; but a clearer understanding of the principles involved will dawn upon them as they advance in their course.

As a rule, knowledge should precede the act of memorizing, — the principle should be understood before the precise language by which it is stated is committed to memory. It often happens, however, that the hidden meaning of a principle is best revealed by the very effort of the mind requisite to commit its statement to memory. Bacon says, “Men believe that their reason is lord over their words, but it happens too that words exercise a reciprocal and reactionary power over the intellect. As a Tartar’s bow they shoot back upon the understanding.”

ORDER OF DEVELOPMENT.—Those who direct the education of the young and stimulate their progress, should studiously observe the natural order of development and adapt their instruction accordingly.

“To everything there is a season.” There is work especially adapted to every period of a pupil’s advancement. As, in the spring time, plants that come first to the surface demand the first care, so those qualities of mind soonest developed should receive the earliest cultivation.

Children are acute and accurate observers. They judge of character and arrive at conclusions as by intuition. Their faith is proverbial; without questioning, they receive, upon trust, the statements of those in whom they confide. Their curiosity and spirit of inquiry prepare them to receive with interest and pleasure the instruction of their teachers. They memorize with great facility and often with positive pleasure, and what they carefully commit to memory is firmly retained.

Nature would seem to indicate, therefore, that the appropriate work of children, early in their course, is to gain a familiarity with objects about them and to treasure up knowledge for future use. Since, however, their mental vision has only a narrow range and their knowledge of most subjects, when first presented to them, is of necessity limited, they must learn many things of which they can have but a partial understanding. They must often be taught the *manner* of doing before the *reason* for the process can be understood.

Childhood is not the period for teaching the analytical and philosophical. Reason and judgment mature slowly. Studies, therefore, which require, largely the exercise of these faculties, should be reserved till a later period in the

pupils course. In the lower classes, for example, we would have the fundamental rules of arithmetic taught without minute explanations of the principles involved. We would have children, in these classes, learn mechanically the art of adding and subtracting, of multiplying and dividing with rapidity and accuracy, reserving analysis and the explanation of principles till a later period when they will be readily comprehended. In teaching language, including technical grammar and rhetoric, we would make our advances harmonize with the capabilities of pupils,—giving to practice great prominence in the lower classes. We would introduce theories and technicalities slowly and gradually and always in accordance with the progress of pupils and the development of their understanding.

STUDY OF LANGUAGE.—The study of language, by what ever names we may characterize it, transcends in importance every other study of the schools, and addresses itself to teachers of every grade and to pupils of every age. It cannot be entered upon too early, pursued too industriously or continued too long. Impressed with its importance, educators are giving to it greater prominence in each department of the public schools, and the demand is daily becoming more urgent for improved text-books and methods of instruction in this important branch of study.

No other accomplishment can compare in value with the ability to use language with accuracy, appropriateness and fluency. The ability to communicate to others all the various and ever varying shades of thought and emotion by spoken or written language, is one of God's greatest and best gifts to man.

Müller in his "Science of Language," says,

"The science of language gives us an insight into that which, by common consent, distinguishes man from all other living beings ; it establishes a frontier between man and the brute which can never be removed. We cannot tell, as yet, what language is. It may be a production of nature, a work of human art, or a divine gift. But to whatever sphere it belongs, it would seem to stand unsurpassed — nay, unequalled in it — by anything else. If it be a production of nature, it is her last and crowning production which she reserved for man alone. If it be a work of human art, it would seem to lift the human artist almost to the level of a divine Creator. If it be the gift of God, it is God's greatest gift ; for through it God spake to man and man speaks to God in worship, prayer and meditation."

It is by no means complimentary to our methods of instruction that so large a proportion of pupils study the grammar of our own rich and beautiful language with aversion, and not unfrequently with little practical benefit ; whereas this most important study should be the most interesting also in every school as it is already in many schools.

In the past, we have had too much theory and too little practice. Technical grammar, including parsing and analysis, has doubtless received undue attention, and too little importance has been attached to the practical application of the principles and theories involved. The present danger is that we shall oscillate to the other extreme, — that in attempting to avoid Charybdis we shall fall upon Scylla ; whereas the medium course should be pursued. In this connection we would strongly emphasize the common apothegm, "*In medio tutissimus ibis.*"

In teaching the young we can never disjoin theory and practice except to the injury of the pupil. In every study therefore they should be combined, but in proportions varying with the advancement and capabilities of the

learner. The study of grammar as a science treating of the laws of language abstractly, may be pursued with intense interest by mature minds; but mere abstractions are meaningless to a child and must ever fail to awaken his interest.

It frequently happens that persons become so familiar with the science of grammar, that they can detect the slightest error in the structure of language, can analyze and parse the most difficult sentences with great accuracy, and yet acquire but little skill in the *use* of language either spoken or written. But this inability is not the result of any defect in the science, nor should it be urged as a reason against the study of technical grammar in the schools, since it is not the province of any science to impart skill to execute, but rather to teach the learner how to do, and to inform him when his work is well performed.

One may be well versed in the science of music and yet be unable to execute a single tune by voice or instrument. A mathematician may be an adept in the science of navigation but a novice in its practical application. Skill in any department is obtained by constant and long continued practice. Facility in the correct use of language spoken or written, results, not from knowledge alone, but from constant use in accordance with the rules of grammar and the usage of those who are regarded as the best models.

What is needed therefore in our schools in connection with the study of language, is not less of science, but more of practice, so that, while pupils are acquiring a knowledge of grammar, they may secure also the ability to use language with accuracy and facility.

We cannot commence too early to teach children to express their thoughts in appropriate language. As soon as they can write words they should begin to copy and construct sentences. Exercises in composition cannot be too frequent, and should receive a larger share of attention in every class in the High and Grammar schools. It is desirable that the exercises at the annual exhibitions of these schools, should consist more largely of original essays.

REVIEWS.—We cannot emphasize too strongly the importance of frequent reviews. Nothing stamps so indelibly upon the memory the knowledge acquired as frequent repetition. Every recitation should commence with a hasty review of the previous lesson. At the beginning of each week the work of the preceding week should be reviewed. At the beginning of each month also, the work of the previous month should come under observation. Especially at the commencement of the school year each teacher should refresh the recollection of his pupils upon the work of the preceding year.

Teachers should endeavor to remove from their minds the idea that their individual classes are independent sections; and that the prescribed pages of new work assigned them is all that they are responsible for. They should take a broad view of the work to be accomplished, and educate their pupils with reference to their entire course—the past as well as the present and future.

MANNERS AND MORALS.—Teachers are to cultivate in their pupils good manners, and to give instruction in morals in accordance with the requirements of the General Statutes, Chapter 38.

SECT. 10. It shall be the duty of the president, professors and tutors of the university at Cambridge and of the several colleges, of all preceptors and teachers of academies, and of all other instructors of youth, to exert their best endeavors to impress on the minds of children and youth committed to their care and instruction, the principles of piety and justice, and a sacred regard to truth ; love of their country, humanity, and universal benevolence ; sobriety, industry and frugality ; chastity, moderation and temperance ; and those other virtues which are the ornament of human society and the basis upon which a republican constitution is founded ; and it shall be the duty of such instructors to endeavor to lead their pupils, as their ages and capacities will admit, into a clear understanding of the tendency of the above mentioned virtues, to preserve and perfect a republican constitution and secure the blessings of liberty as well as to promote their future happiness, and also to point out to them the evil tendency of the opposite vices.

Education, in its most comprehensive signification, is not the training of the mind alone,—but the harmonious development of our entire being. Hence, when we have labored with great fidelity to develope the intellect and to increase the intelligence of our pupils, our work is but partially accomplished if we have failed to cultivate their moral nature,—if in consequence of our influence they have not higher purposes for good and greater strength to resist evil.

We are not to labor to produce good scholars merely, but good citizens. The great want of the nation is not *learned* men, but *good* men and *true*. A leading engineer says, “When I wish for competent agents to superintend works for which I am responsible, my greatest difficulty is to get *good* men. I can find twenty who know enough for every one whom I can certainly trust.”

We should seize upon every favorable opportunity to inculcate moral duties by precept and example, and should labor most zealously to discourage tendencies in a wrong direction.

“The spring time of our years
Is soon dishonored and defiled, in most,
By budding ills that ask a prudent hand
To check them.”

The following brief extracts are from a most admirable address by Rev. Dr. A. D. Mayo before the National Educational Association on “Methods of Moral Instruction in Common Schools.”

“The problem before the common school teacher in America is to hold before the child, by precept and example, in the most practical way, that Christian morality which is essential to high character in a true American man or woman, and a good citizen of the United States.

“The fundamental method of moral instruction is to place in every school-room a teacher who is the incarnation of a profound, wise, and inspiring Christian morality. Every method presupposes a living soul at the centre of operations, without which it is but a dead machine cut off from its motive power.

“It is all the more true, because we are now forgetting it, that no person can become a fit teacher of American children without a deep, patient, enthusiastic love, founded on a religious faith in their spiritual nature as children of God, their moral obligation to God and man and the mighty issues, public and private, involved in their coming life.

"It is unnecessary to tell a people whose hearts are yet thrilling with the great International Jubilee, that Music is one of the most subtle and powerful methods of moral instruction. There is nothing in this world like the singing of children; and nowhere do children sing as in our common schools. Marry our highest moralities to childhood's music, and young America may yet sing itself within sight of the millennium in this New World."

With many thanks to you, gentlemen, for your uniform kindness and constant co-operation with me in my work this report is respectfully submitted.

J. H. DAVIS,

Superintendent of Public Schools.

December 31, 1873.

ANNUAL REPORT

OF THE

TRUSTEES OF THE PUBLIC LIBRARY,

OF THE

CITY OF SOMERVILLE,

FOR THE YEAR

1873.

CITY OF SOMERVILLE.



IN BOARD of MAYOR AND ALDERMEN, March 9, 1874.

Referred to Committee on Printing, with full powers, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*



IN COMMON COUNCIL, March 16, 1874.

Concurred in.

SOLOMON DAVIS, *Clerk.*

THE FREE PUBLIC LIBRARY.



THE Board of Trustees, elected by the City Government on the 21st of October, 1872, met November 14th, following, and organized under the By-Laws prepared by a Committee, appointed by the town of Somerville, April 29th, 1871.

The Committee on Building caused a room in City Hall to be suitably fitted up for the reception of books, and for the accommodation of the patrons of the Library.

The Book Committee began at once the work of selecting books, and with the valuable help of the Librarian, Isaac Pitman, Esq., whose services were rendered gratuitously, were enabled to open the Library for the delivery of books to the public, on the first day of May following.

The number of volumes at that time was 2,386.

Additions have been made from time to time, until the present number is 3,907.

Of these, 715 have been given by 36 donors, whose liberality has been acknowledged by letter of thanks, and by publication in the Somerville Journal.

A list of books called for, and not in the possession of the Library, has been kept by the Librarian, and such of them as were approved have been purchased and placed on the shelves.

The amount of money passed to the credit of the Library, is \$7,623.89; as follows:

Appropriation previous to 1872,	\$2,237 76
“ of 1872,	1,139 33
City Appropriation for 1873,	4,000 00
Donations of Messrs. Haskins & Cummings,	100 00
Catalogues and Fines,	146 80
	<hr/>
	\$7,623 89

The expenses have been \$5,399.83. Leaving a balance in the treasury of \$2,224.06. Of the \$5,399.83, the sum of \$4,102.31 has been spent for books.

The salary paid the Assistant Librarian is \$600. A second assistant has been employed a portion of the time for several months past, and the largely increasing work of the Library will soon render it necessary to make the situation a permanent one.

As a proof of the increase of the Librarian's labors, we append a statement of the number of books taken out and returned for the several months, since the Library was opened.

May,	1,700
June,	2,000
July,	2,087
August,	2,075
September,	2,059
October,	2,392
November,	2,714
December,	3,020
January,	3,438
February,	3,208

In February there were four days less in which books could be taken out than in the month previous.

On the last day of February, 320 volumes were given out, which is the largest number delivered on any day since the opening of the Library.

The number of book-takers now registered, is 2,220.

It is earnestly desired to have another room as soon as practicable, where those who wish, may have the opportunity of reading the best periodical literature, and of consulting works, which from their large size or great value, are properly reserved as books of reference.

The Trustees desire here to acknowledge the generous co-operation of the City Government, and of the citizens generally, in this important educational work. They have endeavored to make the Public Library a fountain of choice reading, open freely to all classes of the community, and they commend it as such, to the continued kindness and patronage of their fellow-citizens, trusting that it will contribute largely to their enjoyment, and promote general intelligence and morality.

JOHN P. MARSHALL,
AUSTIN BELKNAP,
WM. H. FURBER,
QUINCY A. VINAL,
CHAS. G. POPE,
CHAS. H. GUILD,
CHAS. LOWE,
SAM'L A. CARLTON,

Board of Trustees.

SOMERVILLE, MARCH 3, 1874.

REPORT

OF

COMMITTEE ON SEWERS.

REPORT OF COMMITTEE ON SEWERS.

Your Committee report that the whole length of Sewers completed this season is 13,514 feet, something over $2\frac{1}{2}$ miles, at a total cost of \$40,995. $\frac{54}{100}$ dollars.

We present herewith a schedule, showing at a glance the location, size and length, of each Sewer built under the City Government.

Sewers built in Somerville during the year 1873.

LENGTHS AND DIAMETERS.										
STREET.	6 feet.	7 feet.	30 × 24	23	24	24 × 20	20	18	15 Pipe.	Dirt Catchers.
LINCOLN								103		
WASHINGTON								126		
CONCORD AVENUE								276		
SPRINGFIELD								775		1
BROADWAY					2404					1
MARSHALL			63							
PEARL			135	50						1
MEDFORD				618	1278					
SUMMER							797			1
CEDAR						882	497			2
SUMMER							223			
SYCAMORE							1173			
SCHOOL							531			1
WEBSTER							539			
THURSTON							717			
WARREN AVENUE							714	328		
MILK	21	1219								4
SOUTH									45	
	21	1219	198	668	3682	882	5191	1608	45	11

Making a total of 13,514 feet of Sewer in 1873, something over $2\frac{1}{2}$ miles. Of this length, 13,469 feet was constructed of brick, and 45 feet of cement pipe.

The following table shows the location, length, and size of each Sewer built in the year 1872, at a cost of \$29,119. $\frac{59}{100}$ dollars.

Sewers built in Somerville during the year 1872.

LENGTHS AND DIAMETERS.																
STREETS.	30 × 45	30 × 45 plank.	24 × 36	20 × 30	19 × 26	24	18 × 24	20	16 × 21	18	15	15 cement.	12	12 cement.	9 cement.	Man hole.
PROSPECT						180½										3
WASHINGTON								484¾			403			130		2
BONAIR											1465					
MT. BENEDICT											511					
SCHOOL											900					
SCHOOL CITY HALL								76					116			
SOUTH												338				
WAVERLEY.....	207	156½														4
WASHINGTON	1306															
FRANKLIN.....				657½												
BOW.....											509½					1
MYRTLE											849					
PEARL			493													
FRANKLIN AVE. . .											5016					
NEW FLORENCE... .											500					
WALNUT.....					600				462							
MOSSLAND.....											259					2
PROSPECT								310								
CONCORD AVE....										750						
MT. VERNON							219									
	1513	156½	493	657½	600	180½	219	870¾	462	750	5898	338	116	130	107	12

Making a total of 12,491. $\frac{35}{100}$ feet of Sewer in 1872, equal to nearly 2 $\frac{3}{8}$ miles. Of this length 11,759. $\frac{35}{100}$ feet was constructed of brick, 575 feet of cement pipe, and 156 $\frac{1}{2}$ feet of timber.

JACOB T. GLINES,
CLARKE BENNETT,
PERSON DAVIS,

Committee on Sewers.

REPORT OF CITY CLERK.

MARRIAGES, BIRTHS, AND DEATHS.

MARRIAGES.

Number of intentions issued in 1873,	210
More than last year,	54
Marriages Registered,	169

NATIONALITY OF THOSE REGISTERED.

Both parties American,	97
“ “ Foreign,	54
American Groom and Foreign Bride,	6
Foreign “ “ American “	12
First marriage of	295
Second “ “	42
Third “ “	1
Number of persons,	338
Number of couples,	169
Oldest person married,	Aged 67
Youngest “ “	“ 15

BIRTHS.

Whole number of births registered in 1873 was	723
Less than last year,	59
Number of Males,	369
“ “ Females,	354
Born of American parents,	254
“ “ Foreign “	402
American Male and Foreign Female,	30
Foreign “ “ American “	37

DEATHS.

Whole number of Deaths for the year 1873,	.	.	.	.	.	.	425
More than last year,	.	.	.	.	.	.	25
Oldest person Deceased,	.	.	.	.	.	Aged	96
Under 10 years of age,	214	Males	109	Females	105		
Between 10 years and 20,	22	"	10	"	12		
" 20 " 30,	41	"	15	"	26		
" 30 " 40,	36	"	11	"	25		
" 40 " 50,	23	"	12	"	11		
" 50 " 60,	27	"	16	"	11		
" 60 " 70,	24	"	11	"	13		
" 70 " 80,	30	"	11	"	19		
" 80 " 90,	6	"	4	"	2		
" 90 " 100,	2	"	1	"	1		
	<u>425</u>		<u>200</u>		<u>225</u>		

THE PLACES OF THEIR NATIVITY.

Born in Somerville,	.	.	.	.	.	181
Other places in the United States,	.	.	.	.	.	149
Foreign,	.	.	.	.	.	93
Unknown,	.	.	.	.	.	2

CHARLES E. GILMAN, *City Clerk.*

LIST
OF
CITY OFFICERS
FOR 1873.

MAYOR.

GEORGE O. BRASTOW.

SUMMER STREET. (Office City Hall.)

ALDERMEN.

Ward 1.

WILLIAM H. FURBER	.	Mt. Vernon street.
EZRA D. CONANT	.	Pearl street.

Ward 2.

CLARK BENNETT	.	Prospect street.
NATHAN TUFTS, JR.	.	Summer street.

Ward 3.

JACOB T. GLINES	.	Broadway.
AUSTIN BELKNAP	.	Central street.

Ward 4.

PERSON DAVIS	.	Elm street.
CHRISTOPHER E. RYMES	.	Summer street.

COMMON COUNCIL.CHARLES G. POPE, *President.***Ward 1.**

EDWARD A. CURTIS	.	.	Mt. Vernon street
CROMWELL G. ROWELL	.	.	Pearl street.
JOHN VIALI	.	.	Webster street.
CHARLES G. POPE	.	.	Lincoln street.

Ward 2.

OWEN S. KNAPP	.	.	School street.
GEORGE S. ROLLINS	.	.	Garden street.
JOHN T. BOLTON	.	.	Highland Avenue.
GEORGE A. MAYNARD	.	.	Highland Avenue.

Ward 3.

STEPHEN W. FULLER	.	.	Walnut street.
WILLIAM H. HODGKINS	.	.	Adams street.
HENRY F. WOODS	.	.	Foster street
WALTER S. BARNES	.	.	Vernon street.

Ward 4.

THOMAS H. LORD	.	.	Chestnut Court.
WESLEY C. CRANE	.	.	Summer street.
JOHN H. BROOKHOUSE	.	.	Willow Avenue.
GEORGE A. PRATT	.	.	Summer street.

CITY CLERK.

CHARLES E. GILMAN	.	.	Walnut street. (Office, City Hall.)
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CITY TREASURER AND COLLECTOR OF TAXES.

AARON SARGENT	.	.	Broadway (Office, City Hall.)
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CITY AUDITOR.

CHARLES E. GILMAN . . . Walnut street
(Office, City Hall.)

CITY SOLICITOR.

SELWYN L. BOWMAN . . . Broadway.

CITY ENGINEER.

LORING R. HORNE. . . Residence, Chelsea.
(Office, City Hall.)

CITY PHYSICIAN.

WILLIAM W. DOW . . . School St. and Union Sq.

CLERK OF COMMON COUNCIL.

SOLOMON DAVIS . . . Cross street.

CITY MESSENGER.

JAIRUS MANN . . . Boards at Hotel Warren.

CHIEF OF POLICE.

MELVILLE C. PARKHURST . . . Milk street.
(Office at Police Station.)

SUPERINTENDENT OF STREETS.

FRANKLIN HENDERSON . . . Central street.

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

JAMES R. HOPKINS . . . Wigglesworth street.

WATER BOARD.

CHRISTOPHER E. RYMES *Chairman*, Summer street.
ROBERT A. VINAL, *Clerk*, . . . Walnut street.
CUTLER DOWNER . . . Central street.
THOMAS CUNNINGHAM . . . Oak street.
HORACE HASKINS . . . Franklin street.

OVERSEERS OF THE POOR.

GEORGE O. BRASTOW, (<i>Mayor</i> ,)	Summer street
<i>Chairman, ex officio,</i>	(Office, City Hall.)
CHARLES G. POPE	Lincoln street.
<i>(President of the Common Council,) ex officio.</i>	
THOMAS CUNNINGHAM . . .	Oak street.
ANSEL LEWIS	Webster street.
HORACE CHAPIN	Beach street.

ASSESSORS.

JOHN C. MAGOUN	Broadway.
THOMAS CUNNINGHAM . . .	Oak street.
S. M. SMITH	Flint street.

SCHOOL COMMITTEE.**Ward 1.**

H. M. MOORE	Myrtle street.
S. HANSCOM	Perkins street.
S. S. WOODCOCK	Pearl street.

Ward 2.

G. W. DURELL	Summer street.
O. S. KNAPP	School street.
EDWIN MILLS	Dane street.

Ward 3.

S. M. PENNOCK	Sycamore street.
HENRY N. SPENCER	Sycamore street.
REUBEN WILLIS	Broadway.

Ward 4.

BENJAMIN G. BROWN . . .	Professors' Row.
HORACE CHAPIN	Beach street.
R. H. CONWELL	Curtis street.

SUPERINTENDENT OF SCHOOLS.

JOSHUA H. DAVIS	Myrtle street.
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1873.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

On Finance. — Mayor, Aldermen Bennett, Furber, President of the Council, Councilmen Rowell, Knapp, Woods, and Brookhouse.

Accounts. — Aldermen Davis and Glines, Councilmen Maynard, Crane and Viall.

Public Property. — Aldermen Furber and Tufts, Councilmen Brookhouse, Curtis and Hodgkins.

Water. — Aldermen Conant and Davis, President of Council, Councilmen Knapp and Fuller.

State Aid and Soldiers' Relief. — Aldermen Furber and Bennett, Councilmen Hodgkins, Knapp and Rowell.

Fuel and Street Lights. — Aldermen Tufts and Conant, Councilmen Lord, Woods and Curtis.

Fire Department. — Aldermen Belknap and Rymes, Councilmen Curtis, Barnes and Rollins.

Highways. — Aldermen Rymes and Tufts, Councilmen Viall, Maynard and Fuller.

Printing. — Alderman Furber, Councilmen Rollins and Hodgkins.

Burial Grounds. — Aldermen Davis and Glines, Councilmen Woods, Bolton and Pratt.

Ordinances. — Aldermen Bennett and Fuller, Councilmen Fuller, Rowell and Lord.

Claims. — Mayor, Alderman Conant, President of the Council, Councilmen Maynard and Lord.

Health. — Aldermen Belknap and Conant, Councilmen Crane, Barnes and Bolton.

COMMITTEES OF BOARD OF ALDERMEN.

Police. — Mayor, Aldermen Belknap and Tufts.

Election and Returns. — Aldermen Bennett and Glines.

Enrolled Ordinances and Resolutions. — Aldermen Furber and Davis.

Drains and Sewers. — Aldermen Glines, Davis and Bennett.

Licenses. — Aldermen Conant and Glines.

COMMITTEES OF COMMON COUNCIL.

Elections and Returns. — Councilmen Bolton, Barnes and Pratt.

Enrolled Ordinances and Resolutions. — Councilmen Crane, Rollins and Viall.

LIST
OF
CITY OFFICERS
FOR 1874.

MAYOR.

WILLIAM H. FURBER.

MOUNT VERNON STREET. (Office City Hall.)

ALDERMEN.

Ward 1.

E. A. CURTIS	.	.	.	Mount Vernon street.
C. G. ROWELL	.	.	.	Pearl street.

Ward 2.

CLARK BENNETT	.	.	.	Prospect street.
R. L. SPEAR,	.	.	.	Berkeley street.

Ward 3.

S. W. FULLER,	.	.	.	Walnut street.
GEORGE H. DICKERMAN,	.	.	.	Central “

Ward 4.

THOMAS H. LORD,	.	.	.	Chestnut Court.
FRANKLIN N. POOR,	.	.	.	Chester street.

COMMON COUNCIL.WILLIAM H. HODGKINS, *President.***Ward 1.**

BYRON ROBERTS	.	.	.	Franklin street.
H. R. BISHOP	.	.	.	Broadway.
RICHARD E. NICKERSON	.	.	.	Pearl street.
MARK LEIGHTON.	.	.	.	Benedict Avenue.

Ward 2.

I. M. BENNETT	.	.	.	Homer Place.
E. L. HASKELL	.	.	.	Milk street.
D. A. SANBORN, JR.	.	.	.	Prospect street.
E. M. JACKMAN	.	.	.	Summit Avenue.

Ward 3.

WM. H. HODGKINS	.	.	.	Adams street.
STEWART FRENCH	.	.	.	Chester street.
B. P. LOVEJOY	.	.	.	Marshall street
S. M. PENNOCK	.	.	.	Sycamore street.

Ward 4.

JOHN H. BROOKHOUSE	.	.	.	Willow Avenue.
J. B. DAVID	.	.	.	Belmont street.
JOHN J. BROWN	.	.	.	Chestnut Court.
WM. BLANCHARD	.	.	.	Dover street.

CITY CLERK.

CHARLES E. GILMAN	.	.	Walnut street.
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(Office City Hall.)

TREASURER AND COLLECTOR OF TAXES.

AARON SARGENT	.	.	Broadway.
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(Office City Hall.)

CITY AUDITOR.

CHARLES E. GILMAN	.	.	Walnut street.
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(Office City Hall.)

CITY SOLICITOR.

CHARLES ROBINSON, JR. . . . House at Newton.

CITY ENGINEER.

CHARLES D. ELLIOT . . . Thorpe Avenue.
(Office City Hall.)

CITY PHYSICIAN.

HORACE CHAPIN . . . House Beach street.
(Office Union Square.)

CLERK OF COMMON COUNCIL.

SOLOMON DAVIS . . . Cross Street.

CITY MESSENGER.

JAIRUS MANN. Boards at Warren Hotel, Union Square.

CHIEF OF POLICE.

MELVILLE C. PARKHURST . . Milk street.
(Office Police Station.)

SUPERINTENDENT OF STREETS.

FRANKLIN HENDERSON . . . Central street.

CHIEF ENGINEER OF FIRE DEPARTMENT.

JAMES R. HOPKINS . . . Wigglesworth street.

WATER BOARD.

CHRISTOPHER E. RYMES, *President*. Summer street.
ROBERT A. VINAL, *Clerk*. . . Walnut street.
CUTLER DOWNER . . . Central street.
THOMAS CUNNINGHAM . . . Oak street.
HORACE HASKINS . . . Franklin street.

OVERSEERS OF POOR.

WM. H. FURBER, (<i>Mayor</i>)	.	Mt. Vernon street.
<i>Chairman, ex officio,</i>		(Office City Hall.)
WM. H. HODGKINS	.	Adams street.
<i>(President of the Common Council,) ex officio.</i>		
ANSEL LEWIS	.	Webster street.
THOMAS CUNNINGHAM	.	Oak street.
HORACE CHAPIN	.	Beach street.
(Office of Overseers of Poor, Union Square.)		

ASSESSORS.

JOHN C. MAGOUN	.	Broadway.	} (Office City Hall.)
THOMAS CUNNINGHAM	.	Oak street.	
JOHN C. TENNEY	.	Canal street.	

SCHOOL COMMITTEE.

WM. H. FURBER, (<i>Mayor</i>)	.	Mt. Vernon street.
<i>Chairman, ex officio.</i>	.	(Office City Hall.)
WILLIAM H. HODGKINS	.	Adams street.
<i>(President of the Common Council,) ex officio.</i>		

Ward 1.

SANFORD HANSCOM	.	Perkins street.
S. S. WOODCOCK	.	Pearl street.
HENRY M. MOORE	.	Myrtle street.

Ward 2.

GEORGE W. DURELL	.	Summer street.
CHARLES D. LOWE	.	Summer street.
DANIEL E. CHASE	.	Park street.

Ward 3.

HENRY F. SPENCER	.	Sycamore street.
REUBEN WILLIS	.	Broadway.
JAMES E. WHITNEY	.	

Ward 4.

HORACE CHAPIN	.	.	.	Beach street.
CHARLES F. KING	.	.	.	
BENJAMIN G. BROWN	.	.	.	Professors' Row.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

Accounts. — Aldermen Davis and Spear, Councilmen Bishop, Bennett and David.

Burial Grounds. — Aldermen Rowell and Lord, Councilmen Loughton, Brookhouse and Lovejoy.

Claims. — The Mayor, and Alderman Rowell, the President of the Council, and Councilmen Brown and Loughton.

Finance. — The Mayor, Aldermen Bennett and Rowell, the President of the Council, Councilmen Brookhouse, Pennock, Sanborn and Roberts.

Fuel and Street Lights. — Aldermen Lord and Dickerman, Councilmen Lovejoy, Bishop and Sanborn.

Fire Department. — Aldermen Lord and Curtis, Councilmen Nickerson, French and David.

Highways. — Aldermen Fuller and Poor, Councilmen Brookhouse, Loughton and Sanborn.

Health. — Aldermen Fuller and Spear, Councilmen Roberts, Haskell and Brown.

Ordinances. — Aldermen Rowell and Fuller, Councilmen Pennock, Blanchard and Bennett.

Public Property. — Aldermen Curtis and Spear, Councilmen Brown, Lovejoy and Nickerson.

Printing. — Alderman Spear, Councilmen Bennett and Roberts.

State Aid and Soldiers' Relief. — Aldermen Rowell and Bennett, Councilmen David, Nickerson and French.

Water. — Aldermen Curtis and Dickerman, President of the Council and Councilmen Jackman and Blanchard.

COMMITTEES OF BOARD OF ALDERMEN.

Drains and Sewers. — Aldermen Bennett, Poor and Dickerman.

Elections and Returns. — Aldermen Dickerman and Lord.

Enrolled Ordinances and Resolutions. — Aldermen Lord and Fuller.

Licenses. — Aldermen Bennett and Poor.

Police. — The Mayor, Aldermen Fuller and Curtis.

COMMITTEES OF COMMON COUNCIL.

Elections and Returns. — Councilmen Haskell, Pennock and Bishop.

Enrolled Ordinances and Resolutions. — Councilmen Blanchard, French and Jackman.



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